Efficient instrumentation solutions for factory automation

Fluid sensors

Optimized control of process parameters is the main driver for increasing efficiency and reducing input of valuable resources. Whether it's pressure measurement, temperature measurement, level control or flow metering – SICK offers a wide range of solutions for measuring process variables for liquids, gases and bulk solids and protecting against overfill and dry run. SICK devices are rugged and easy to use. Innovative sensor technology enables accurate, universal measurement independent of material type.

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Fluid sensors

LFP Inox 218
The clean solution

LFP Cubic 220
Flexible up to the probe tip

LFV200 222
The Point Level Sensor for all kinds of liquids

LBV300 225
Tuning forks – tough and flexible in bulksolids

UP56. 227
Ultrasonic level sensor: tough, non-contact, pressure-resistant

MHF15. 229
Simple, compact and robust

PBS 230
Universal pressure switch

PBT. 232
All-around pressure transmitter

PFT. 234
The flexible solution

PHT. 236
A clean solution

LFH. 238
At a high level

FFU. 240
Non-contact flow measurement

TBT. 241
Well-proven temperature measurement

TBS. 243
Temperature monitoring made easy

THTS 345
Simple hygienic temperature measurement

At a glance

- Level monitoring in hygienic applications
- Manually cutable monoprobe made from stainless steel 1.4404 up to 2,000 mm long with Ra ≤ 0.8 µm
- Process temperature up to 150 °C, process pressure up to 16 bar
- CIP/SIP resistant
- IP 67 and IP 69K enclosure rating
- Interchangeable hygienic process connections
- 3-in-1: combined display, analog output and binary output
- Analog output 4 mA ... 20 mA / 0 V ... 10 V, switchable, plus two binary outputs

Your benefits

- Robust design increases service life
- High flexibility due to cutable probe and interchangeable connection concept
- Cost savings due to multiple output signals: one system for both level detection and continuous level monitoring
- Time and cost savings due to low maintenance and quick commissioning
- No calibration or recalibration required for commissioning, thus saving time and costs

IO-Link

→ **www.mysick.com/en/LFP_Inox**

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/LFP_Inox

Process connection G 3/4 A

- **Output signal:** 1x PNP + 1x PNP/NPN + 4 ... 20 mA / 0 ... 10 V
- **Process temperature:** –20 °C ... +150 °C
- **Process pressure:** –1 bar ... 16 bar
- **Housing material:** 303
- **Electrical connection:** M12x1, 5-pin
- **Enclosure rating:** IP 67: EN 60529, IP 69K: EN 40050

Probe length	Housing design	Model name	Part no.
300 mm	Cover with PMMA window	LFP0300-G1NMB	1053288
400 mm		LFP0400-G1NMB	1052069
500 mm		LFP0500-G1NMB	1052070
600 mm		LFP0600-G1NMB	1052071
700 mm		LFP0700-G1NMB	1052072
800 mm		LFP0800-G1NMB	1052073
900 mm		LFP0900-G1NMB	1052074
1,000 mm		LFP1000-G1NMB	1052075
1,100 mm		LFP1100-G1NMB	1052076
1,200 mm		LFP1200-G1NMB	1052077
1,300 mm		LFP1300-G1NMB	1052078
1,400 mm		LFP1400-G1NMB	1052079
1,500 mm		LFP1500-G1NMB	1052080

Subject to change without notice

Probe length	Housing design	Model name	Part no.
1,600 mm	Cover with PMMA window	LFP1600-G1NMB	1052081
1,700 mm		LFP1700-G1NMB	1052082
1,800 mm		LFP1800-G1NMB	1052083
1,900 mm		LFP1900-G1NMB	1052084
2,000 mm		LFP2000-G1NMB	1052085
300 mm	Cover closed	LFP0300-G2NMB	1056287
400 mm		LFP0400-G2NMB	1056225
500 mm		LFP0500-G2NMB	1056288
600 mm		LFP0600-G2NMB	1056289
700 mm		LFP0700-G2NMB	1056290
800 mm		LFP0800-G2NMB	1056291
1,000 mm		LFP1000-G2NMB	1056204
1,200 mm		LFP1200-G2NMB	1056294
1,400 mm		LFP1400-G2NMB	1056296
1,500 mm		LFP1500-G2NMB	1056297
1,600 mm		LFP1600-G2NMB	1056298
1,700 mm		LFP1700-G2NMB	1056299
1,800 mm		LFP1800-G2NMB	1056300
1,900 mm		LFP1900-G2NMB	1056301
2,000 mm		LFP2000-G2NMB	1056302

Accessories

	Accessory category	Brief description	Model name	Part no.
	Flanges	Hygienic process connection adapter for LFP, coupling (DIN 11864-1) DN 25 form A with union nut, stainless steel 316L (Ra<=0,8 µm)	BEF-HA-641D25-LFP1	2058795
		Hygienic process connection adapter for LFP, coupling (DIN 11864-2) DN 25 form A, stainless steel 316L (Ra<=0,8 µm)	BEF-HA-642D25-LFP1	2058823
		Hygienic process connection adapter for LFP, clamp (DIN 11864-3) BKS DN 25 form A, stainless steel 316L (Ra<=0,8 µm)	BEF-HA-643D25-LFP1	2058821
		Hygienic process connection adapter for LFP, conical coupling (DIN 11851) DN 25 with union nut, stainless steel 316L (Ra<=0,8 µm)	BEF-HA-851D25-LFP1	2058138
		Hygienic process connection adapter for LFP, conical coupling (DIN 11851) DN 40 with union nut, stainless steel 316L (Ra<=0,8 µm)	BEF-HA-851D40-LFP1	2058139
		Hygienic process connection adapter for LFP, conical coupling (DIN 11851) DN 50 with union nut, stainless steel 316L (Ra<=0,8 µm)	BEF-HA-851D50-LFP1	2058141
			BEF-HA-851D65-LFP1	2063328
		Hygienic process connection adapter for LFP, Tri-Clamp 1”- 11/2’’, stainless steel 316L (Ra<=0,8 µm)	BEF-HA-TCLI10-LFP1	2058808
		Hygienic process connection adapter for LFP, Tri-Clamp 2’’, stainless steel 316L (Ra<=0,8 µm)	BEF-HA-TCLI20-LFP1	2058824
		Hygienic process connection adapter for LFP, conical coupling (DIN 11851) DN 50 with union nut, stainless steel 316L (Ra<=0,8 µm)	BEF-HA-VARTYN-LFP1	2058822

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IO-Link

At a glance

- No mechanical moving parts
- Manually cutable and exchangeable monoprobe with lengths from 200 mm up to 2,000 mm
- Immune to deposit formation
- Process temperature up to 100 °C; process pressure up to 10 bar
- Small inactive areas, ideal for small containers
- Accurate measurement, even when liquid type changes
- 3-in-1: combined display, analog output (acc. NAMUR NE 43) and binary output
- High enclosure rating of IP 67, rotatable housing

Your benefits

- Rugged design increases service life
- High flexibility due to cutable and exchangable monoprobe
- Cost savings due to multiple output signals: one system for both level detection and continuous level monitoring
- Time and cost savings due to low maintenance and quick commissioning
- No calibration or recalibration required for commissioning, thus saving time and costs
- Compact and rotatable housing ensures flexible installation
- No crosstalk when several sensors are mounted next to each other
- Advanced technology enables adjustment-free measurement of oil- and water-based liquids

→ **www.mysick.com/en/LFP_Cubic**

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/LFP_Cubic

Process connection G 3/4 A

- **Output signal:** 1x PNP + 1x PNP/NPN + 4 ... 20 mA / 0 ... 10 V
- **Process temperature:** –20 °C ... +100 °C
- **Process pressure:** –1 bar ... 10 bar
- **Housing material:** Plastic PBT
- **Electrical connection:** M12x1, 5-pin
- **Enclosure rating:** IP 67: EN 60529

Probe length	Model name	Part no.
200 mm	LFP0200-A4NMB	1057073
300 mm	LFP0300-A4NMB	1057074
400 mm	LFP0400-A4NMB	1057075
500 mm	LFP0500-A4NMB	1057076
600 mm	LFP0600-A4NMB	1057077
700 mm	LFP0700-A4NMB	1057078
800 mm	LFP0800-A4NMB	1057079
900 mm	LFP0900-A4NMB	1057080
1,000 mm	LFP1000-A4NMB	1057081
1,100 mm	LFP1100-A4NMB	1057082
1,200 mm	LFP1200-A4NMB	1057083
1,300 mm	LFP1300-A4NMB	1057084
1,400 mm	LFP1400-A4NMB	1057085
1,500 mm	LFP1500-A4NMB	1057086

Probe length	Model name	Part no.
1,600 mm	LFP1600-A4NMB	1057087
1,700 mm	LFP1700-A4NMB	1057088
1,800 mm	LFP1800-A4NMB	1057089
1,900 mm	LFP1900-A4NMB	1057090
2,000 mm	LFP2000-A4NMB	1057091

Process connection 3/4” NPT

- **Output signal:** 1x PNP + 1x PNP/NPN + 4 ... 20 mA / 0 ... 10 V
- **Process temperature:** –20 °C ... +100 °C
- **Process pressure:** –1 bar ... 10 bar
- **Housing material:** Plastic PBT
- **Electrical connection:** M12x1, 5-pin
- **Enclosure rating:** IP 67: EN 60529

Probe length	Model name	Part no.
200 mm	LFP0200-B4NMB	1057092
300 mm	LFP0300-B4NMB	1057093
400 mm	LFP0400-B4NMB	1057094
500 mm	LFP0500-B4NMB	1057095
600 mm	LFP0600-B4NMB	1057096
700 mm	LFP0700-B4NMB	1057097
800 mm	LFP0800-B4NMB	1057098
1,000 mm	LFP1000-B4NMB	1057100
1,200 mm	LFP1200-B4NMB	1057102
1,400 mm	LFP1400-B4NMB	1057104
1,500 mm	LFP1500-B4NMB	1057105
1,600 mm	LFP1600-B4NMB	1057106
1,800 mm	LFP1800-B4NMB	1057108
2,000 mm	LFP2000-B4NMB	1057110

Accessories

	Accessory category	Brief description	Model name	Part no.
	IO-Link field module	IO-Link module for Profibus with four ports	IOLSHPB-P3104R01	6039728
	Nuts and screws	Counter nut, G 3/4 A process connection	BEF-MU-0PAG34-LFT1	5321681
		Counter nut, process connection 3/4” NPT	BEF-MU-0PAN34-LFT1	5321680
	Other mounting accessories	Spare coax probe for LFP Cubic, probe length 1,000 mm, material 1.4404/316L, diameter 7 mm, process connection G 3/4	BEF-ER-KR1000-LFPC	2065702
		Spare coax probe for LFP Cubic, probe length 2,000 mm, material 1.4404/316L, diameter 7 mm, process connection G 3/4	BEF-ER-KR2000-LFPC	2065703
		Spare probe for LFP Cubic, probe length 1,000 mm, material 1.4404/316L, diameter 7 mm	BEF-ER-SN1000-LFPc	2065700
		Spare probe for LFP Cubic, probe length 2,000 mm, material 1.4404/316L, diameter 7 mm	BEF-ER-SN2000-LFPC	2065701
	Terminal and alignment brackets	Centering for bypass- and immersion tube installation with diameter 40 mm ... 100 mm	BEF-FL-BYRD40-LFP1	2059612

At a glance

- Housing made of 316L stainless steel
- Two electrical output versions available
- Commissioning without filling
- Process temperature up to 150 °C
- Immune to deposit formation
- Very high repeatability
- Aseptic versions with polished surface, CIP and SIP resistant
- Tube extension up to 6 m

Your benefits

- Easy installation and commissioning, no calibration necessary
- Easy operation and integration, saves time
- Maintenance-free sensor, reduces downtime
- Testing in place possible – no mounting required, which reduces installation time
- Flexible and robust system for a multitude of applications
- Universal technology works in all kinds of liquids
- Economical solution for vertical mounting
- Can be used in containers and pipes regardless of the mounting situation

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→ **www.mysick.com/en/LFV200**

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/LFV200

LFV200

- **Process connection:** G 1/2 A PN 64
- **Process temperature:** –40 °C ... +100 °C
- **Process pressure:** –1 bar ... 64 bar
- **Wetted parts:** 316L (optional Ra < 0.8 µm)
- **Housing material:** Stainless steel 1.4404, PEI
- **Probe length:** 40 mm

Output signal	Electrical connection	Enclosure rating	Model name	Part no.
1x PNP	M12x1 plug connector, 4-pin	IP 67	LFV200-XXSGHTPM	6048704
	Valve plug DIN 43650	IP 65	LFV200-XXSGHTPV	6049356
Contactless electronic switch	Valve plug DIN 43650	IP 65	LFV200-XXSGHCPV	6048866

LFV200

Process connection	Output signal	Process temperature	Process pressure	Wetted parts	Housing material	Electrical connection	Enclosure rating	Probe length	Model name	Part no.
1/2" NPT PN 64	1x PNP	–40 °C ... +100 °C	–1 bar ... 64 bar	316L (optional Ra < 0.8 µm)	Stainless steel 1.4404, PEI	M12x1 plug connector, 4-pin	IP 67	40 mm	LFV200-XXSNHTPM	6048864

LFV200

- **Process connection:** G 3/4 A PN 64
- **Wetted parts:** 316L (optional Ra < 0.8 µm)
- **Housing material:** Stainless steel 1.4404, PEI
- **Probe length:** 40 mm
- **Process pressure:** –1 bar ... 64 bar

Output signal	Process temperature	Electrical connection	Enclosure rating	Model name	Part no.
1x PNP	–40 °C ... +150 °C	M12x1 plug connector, 4-pin	IP 67	LFV200-XXTGBTPM	6036355
	–40 °C ... +100 °C	M12x1 plug connector, 4-pin	IP 67	LFV200-XXSGBTPM	6036351
		M12x1 plug connector, 4-pin	IP 67	LFV200-XASGBTPM	6036359
	–40 °C ... +150 °C	M12x1 plug connector, 4-pin	IP 67	LFV200-XATGBTPM	6036363
		Valve plug DIN 43650	IP 65	LFV200-XATGBTPV	6041094
Contactless electronic switch	–40 °C ... +100 °C	Valve plug DIN 43650	IP 65	LFV200-XXSGBCPV	6036367
	–40 °C ... +150 °C	Valve plug DIN 43650	IP 65	LFV200-XXTGBCPV	6036371

LFV200

Process connection	Output signal	Process temperature	Process pressure	Wetted parts	Housing material	Electrical connection	Enclosure rating	Probe length	Model name	Part no.
3/4" NPT PN 64	1x PNP	–40 °C ... +100 °C	–1 bar ... 64 bar	316L (optional Ra < 0.8 µm)	Stainless steel 1.4404, PEI	M12x1 plug connector, 4-pin	IP 67	40 mm	LFV200-XXSNBTPM	6036352

LFV200

- **Process connection:** G 1 A PN 64
- **Wetted parts:** 316L (optional Ra < 0.8 µm)
- **Housing material:** Stainless steel 1.4404, PEI
- **Probe length:** 40 mm
- **Process pressure:** –1 bar ... 64 bar

Output signal	Process temperature	Electrical connection	Enclosure rating	Model name	Part no.
1x PNP	–40 °C ... +100 °C	M12x1 plug connector, 4-pin	IP 67	LFV200-XXSGATPM	6036353
	–40 °C ... +150 °C	M12x1 plug connector, 4-pin	IP 67	LFV200-XXTGATPM	6036357
Contactless electronic switch	–40 °C ... +100 °C	Valve plug DIN 43650	IP 65	LFV200-XXSGACPV	6036369

LFV200

Process connection	Output signal	Process temperature	Process pressure	Wetted parts	Housing material	Electrical connection	Enclosure rating	Probe length	Model name	Part no.
Triclamp 1'' (PN 16, 316L, Ra<0.8µm)	1x PNP	–40 °C ... +150 °C	–1 bar ... 64 bar	316L (optional Ra < 0.8 µm)	Stainless steel 1.4404, PEI	M12x1 plug connector, 4-pin	IP 67	40 mm	LFV200-XXHCLTPM	6036533

LFV230

- **Process connection:** G 3/4 A PN 64
- **Process pressure:** –1 bar ... 64 bar
- **Wetted parts:** 316L (optional Ra < 0.8 µm)
- **Housing material:** Stainless steel 1.4404, PEI

Output signal	Process temperature	Electrical connection	Enclosure rating	Probe length	Model name	Part no.
1x PNP	–40 °C ... +100 °C	M12x1 plug connector, 4-pin	IP 67	200 mm	LFV230-XXSGBTPM0200	6041848
				300 mm	LFV230-XXSGBTPM0300	6041850
				500 mm	LFV230-XXSGBTPM0500	6041682
				700 mm	LFV230-XXSGBTPM0700	6041857
				1,000 mm	LFV230-XXSGBTPM1000	6041669
				1,500 mm	LFV230-XXSGBTPM1500	6041871
				2,000 mm	LFV230-XXSGBTPM2000	6041887
				2,500 mm	LFV230-XXSGBTPM2500	6041894
	–40 °C ... +150 °C	M12x1 plug connector, 4-pin	IP 67	200 mm	LFV230-XXTGBTPM0200	6041903
				300 mm	LFV230-XXTGBTPM0300	6041905
				500 mm	LFV230-XXTGBTPM0500	6041909
				700 mm	LFV230-XXTGBTPM0700	6041913
				1,000 mm	LFV230-XXTGBTPM1000	6041673
				1,500 mm	LFV230-XXTGBTPM1500	6041926
				2,000 mm	LFV230-XXTGBTPM2000	6041935
				2,500 mm	LFV230-XXTGBTPM2500	6041940
Contactless electronic switch	–40 °C ... +100 °C	Valve plug DIN 43650	IP 65	300 mm	LFV230-XXSGBCPV0300	6044007

Accessories

	Accessory category	Model name	Part no.
	Flanges	BEF-FL-851D25-LFV2	5321527
		BEF-FL-851D40-LFV2	5321459
		BEF-FL-851D50-LFV2	5321528
		BEF-FL-GEWG10-LFV2	4054605
		BEF-FL-GEWG34-LFV2	4054604
		BEF-FL-TCLI10-LFV2	5321678
		BEF-FL-TCLI20-LFV2	5321679

At a glance

- Tough device design
- Several housing materials and electrical outputs available
- Immune to deposit formation
- Commissioning without filling
- Process temperature up to 250 °C
- Very high repeatability
- ATEX versions (1D/2D/1G/2G) available
- Tube-extended version (LBV330) up to 6 m and rope extensions version (LBV320) up to 80 m available for vertical mounting

Your benefits

- Easy installation and commissioning, no calibration necessary
- Easy operation and integration, saves time
- Maintenance-free sensor, reduces downtime
- Testing in place possible – no mounting required, which reduces installation time
- Flexible and tough system for a multitude of applications
- Solutions for vertically mounted switches in difficult installation conditions and surroundings

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→ **www.mysick.com/en/LBV300**

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/LBV300

LBV310

- **Process connection:** G 1½ A PN 25
- **Process pressure:** –1 bar ... 25 bar
- **Enclosure rating:** IP 66
- **Probe length:** 220 mm

Output signal	Process temperature	Housing material	Electrical connection	Model name	Part no.
1 x PNP/ NPN	–50 °C ... +150 °C	Plastic	M20 x 1.5	LBV310-XXAGDTKCX	6039060
				LBV310-XXAGDTKMX	6038016
		Aluminum	M20 x 1.5	LBV310-XXAGDTAMX	6038017
		Plastic	½" NPT	LBV310-XXAGDTKNX	6038019
	–50 °C ... +250 °C	Plastic	M20 x 1.5	LBV310-XXBGDTKMX	6038064
			½" NPT	LBV310-XXBGDTKNX	6038067
Contactless electronic switch	–50 °C ... +150 °C	Plastic	M20 x 1.5	LBV310-XXAGDCKMX	6038006
			½" NPT	LBV310-XXAGDCKNX	6038008
	–50 °C ... +250 °C		M20 x 1.5	LBV310-XXBGDCKMX	6038052
			½" NPT	LBV310-XXBGDCKNX	6038055
Double relay (DPDT)	–50 °C ... +150 °C	Plastic	M20 x 1.5	LBV310-XXAGDRKMX	6038011
			½" NPT	LBV310-XXAGDRKNX	6038013
	–50 °C ... +250 °C		M20 x 1.5	LBV310-XXBGDRKMX	6038058
			½" NPT	LBV310-XXBGDRKNX	6038061

LBV320

- **Process connection:** G 1½ A PN 25
- **Output signal:** Double relay (DPDT)
- **Process temperature:** –20 °C ... +80 °C
- **Process pressure:** –1 bar ... 6 bar
- **Housing material:** Aluminum
- **Electrical connection:** M20 x 1.5
- **Enclosure rating:** IP 66

Probe length	Model name	Part no.
2,000 mm	LBV320-XXTGDRAMX02000	6038410
2,500 mm	LBV320-XXTGDRAMX02500	6038415
3,000 mm	LBV320-XXTGDRAMX03000	6038420

LBV330

- **Process connection:** G 1½ A PN 25
- **Output signal:** Double relay (DPDT)
- **Process temperature:** –50 °C ... +150 °C
- **Process pressure:** –1 ... 25 bar
- **Housing material:** Aluminum
- **Electrical connection:** ½" NPT
- **Enclosure rating:** IP 66

Probe length	Model name	Part no.
300 mm	LBV330-XXAGDRANX0300	6038149
400 mm	LBV330-XXAGDRANX0400	6038150
500 mm	LBV330-XXAGDRANX0500	6038151
600 mm	LBV330-XXAGDRANX0600	6038152
700 mm	LBV330-XXAGDRANX0700	6038153
800 mm	LBV330-XXAGDRANX0800	6038154
900 mm	LBV330-XXAGDRANX0900	6038155
1,000 mm	LBV330-XXAGDRANX1000	6038156
1,100 mm	LBV330-XXAGDRANX1100	6038157
1,200 mm	LBV330-XXAGDRANX1200	6038158
1,300 mm	LBV330-XXAGDRANX1300	6038159
1,500 mm	LBV330-XXAGDRANX1500	6038161
1,800 mm	LBV330-XXAGDRANX1800	6038164
2,000 mm	LBV330-XXAGDRANX2000	6038166
2,400 mm	LBV330-XXAGDRANX2400	6038170
2,500 mm	LBV330-XXAGDRANX2500	6038171

Accessories

Accessory category	Brief description	Model name	Part no.
Mounting brackets/plates	Locking screw connection, process pressure -1 bar to 16 bar, process connection G 2 A, inner thread G 1 1/2 A	BEF-MU-316G20-ALBV	5322462

At a glance

- Non-contact level measurement up to 3.4 m operating distance / 8.0 m limit scanning distance
- Pressure resistant up to 6 bar (87 psi)
- Transducer protected by PVDF cover for increased resistance
- 3-in-1: continuous level measurement, level switch and display
- Analog output switchable between 4 mA ... 20 mA and 0 V ... 10 V
- Process connector thread G 1 and G 2
- IP 67 enclosure rating
- Easy to set parameters, also via connect+

Your benefits

- Non-contact measurement in pressurized containers – no wear over time
- Easy to set parameters, saving time
- Flexible measurement system for different container sizes – standardization and stock reduction
- One product for point level and continuous applications, reduces the number of sensors required

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→ **www.mysick.com/en/UP56**

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/UP56-2

UP56-211

- **Process connection:** G 1 A PN 6
- **Process temperature:** –25 °C ... +70 °C
- **Process pressure:** 0 bar ... 6 bar
- **Electrical connection:** M12x1, 5-pin
- **Operating distance:** 30 mm ... 250 mm
- **Limiting scanning distance:** 30 mm ... 990 mm (At 6 bar gauge.)

Output signal	Housing material	Enclosure rating	Model name	Part no.
1x PNP + 4 ... 20 mA / 0 ... 10 V	Stainless steel 1.4571, PBT, TPU	IP 67	UP56-211118	6041658
2x PNP			UP56-211112	6041661
2x NPN			UP56-211114	6041664

UP56-212

- **Process connection:** G 1 A PN 6
- **Process temperature:** –25 °C ... +70 °C
- **Process pressure:** 0 bar ... 6 bar
- **Electrical connection:** M12x1, 5-pin
- **Operating distance:** 85 mm ... 350 mm
- **Limiting scanning distance:** 85 mm ... 1,500 mm (At 6 bar gauge.)

Output signal	Housing material	Enclosure rating	Model name	Part no.
1x PNP + 4 ... 20 mA / 0 ... 10 V	Stainless steel 1.4571, PBT, TPU	IP 67	UP56-212118	6041659
2x PNP			UP56-212112	6041662
2x NPN			UP56-212114	6041665

UP56-213

- **Process connection:** G 1 A PN 6
- **Process temperature:** –25 °C ... +70 °C
- **Process pressure:** 0 bar ... 6 bar
- **Electrical connection:** M12x1, 5-pin
- **Operating distance:** 200 mm ... 1,300 mm
- **Limiting scanning distance:** 200 mm ... 5,000 mm (At 6 bar gauge.)

Output signal	Housing material	Enclosure rating	Model name	Part no.
1x PNP + 4 ... 20 mA / 0 ... 10 V	Stainless steel 1.4571, PBT, TPU	IP 67	UP56-213118	6041660
2x PNP			UP56-213112	6041663
2x NPN			UP56-213114	6041666

UP56-214

- **Process connection:** G 2 A PN 6
- **Process temperature:** –25 °C ... +70 °C
- **Process pressure:** 0 bar ... 6 bar
- **Electrical connection:** M12x1, 5-pin
- **Operating distance:** 350 mm ... 3,400 mm
- **Limiting scanning distance:** 350 mm ... 8,000 mm (At 6 bar gauge.)

Output signal	Housing material	Enclosure rating	Model name	Part no.
1x PNP + 4 ... 20 mA / 0 ... 10 V	Stainless steel 1.4571, PBT, TPU	IP 67	UP56-214118	6041693
2x PNP			UP56-214112	6041695
2x NPN			UP56-214114	6041694
1x PNP + 4 ... 20 mA / 0 ... 10 V	PVDF, PBT, TPU		UP56-214178	6039866
2x PNP			UP56-214172	6039864
2x NPN			UP56-214174	6039865

Accessories

	Accessory category	Brief description	Model name	Part no.
	Configuration software	–	CPA connect Plus	6037782
	Flanges	Welded flange, process connection G 1	BEF-FL-316G10-UP56	4064295
		Welded flange/welded connector, process connection G 2	BEF-FL-316G20-UP56	4063263

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Subject to change without notice

At a glance

- Robust level monitoring in liquid without additional requirements
- Small, compact design; no medium calibration required
- Process temperature up to 55 °C, process pressure up to 16 bar
- IP 67 and IP 69K enclosure rating
- Process connection G ½
- Highly medium resistant due to stainless steel housing 1.4404, polysulfone apex
- Output available as PNP or NPN transistor
- FDA-compliant, UL

Your benefits

- Small, compact sensor ideal for difficult installation conditions with limited space
- Quick commissioning without medium calibration saves time and money
- No moving mechanical parts reduce maintenance and eliminate the need to recalibrate -- even after long periods of use.

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→ **www.mysick.com/en/MHF15**

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/MHF15

- **Process connection:** G 1/2
- **Process temperature:** –25 °C ... +55 °C
- **Process pressure:** –0.5 bar ... 16 bar
- **Housing material:** Stainless steel 1.4404
- **Electrical connection:** M12x1, 4-pin
- **Enclosure rating:** IP 67: EN 60529, IP 69K: EN 40050

Output signal	Model name	Part no.
1x PNP	MHF15-21NG1HSM	1052273
1x NPN	MHF15-21NG1NSM	1052272
1x PNP	MHF15-21NG1PSM	1052237
1x NPN	MHF15-21NG1TSM	1052274

Accessories

Accessory category	Brief description	Model name	Part no.
Flanges	Weld-in flange G 1/2 in 316L for MHF15	BEF-FL-316G12-LMH1	4065669

IO-Link

At a glance

- Electronic pressure switch with display for monitoring pressure in liquids and gases
- Precise sensor technology with stainless steel membrane
- Integrated process connections manufactured from high-quality stainless steel
- Pressure values indicated on display. Output states are indicated separately via wide-angle LEDs.
- Unit of pressure value in display can be switched
- Min/max memory
- Password protection

Your benefits

- Quick and easy setup and operation due to three large pushbuttons and clear display
- Perfect display readability and optimal cable routing due to rotatable housing
- No compromises: Individual solutions through a variety of configurations
- Universal application due to fully welded, highly durable stainless steel membrane
- Saves space and costs: no adapters required due to broad range of standard process connections
- Highly reliable due to application of proven technologies and high-quality materials, water resistance according to IP 65 and IP 67 as well as excellent overpressure safety
- Ultimate system availability: IO-Link enables fast, reliable parameter setting when changing over products

→ **www.mysick.com/en/PBS**

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/PBS

- **Pressure type:** Gauge Pressure
- **Accuracy of sensor element:** ≤ ± 1 % of spanIncluding non-linearity, hysteresis, zero point and full scale error (corresponds to error of measurement according to IEC 61298-2)
- **Process temperature:** –20 °C ... +85 °C
- **Pressure port:** Standard

Output signal	Electrical connection	Process connection	Seal	Measuring range	Model name	Part no.
2x PNP	Plug M12 x 1, 4-pin, IP 67	G 1/4 female	Without sealing	0 bar ... 1 bar	PBS-RB1X0SG2SS0AMA0Z	6041777
				0 bar ... 10 bar	PBS-RB010SG2SS0AMA0Z	6039110
				0 bar ... 100 bar	PBS-RB100SG2SS0AMA0Z	6039614
				0 bar ... 250 bar	PBS-RB250SG2SS0AMA0Z	6039615
				0 bar ... 400 bar	PBS-RB400SG2SS0AMA0Z	6039495
				0 bar ... 600 bar	PBS-RB600SG2SS0AMA0Z	6041551
1x PNP + 4 ... 20 mA	Plug M12 x 1, 4-pin, IP 67	G 1/4 female	Without sealing	0 bar ... 1 bar	PBS-RB1X0SG2SS0BMA0Z	6041279
				0 bar ... 10 bar	PBS-RB010SG2SS0BMA0Z	6039121
				0 bar ... 100 bar	PBS-RB100SG2SS0BMA0Z	6041615
				0 bar ... 250 bar	PBS-RB250SG2SS0BMA0Z	6041053
				0 bar ... 400 bar	PBS-RB400SG2SS0BMA0Z	6041019
				0 bar ... 600 bar	PBS-RB600SG2SS0BMA0Z	6044103

Output signal	Electrical connection	Process connection	Seal	Measuring range	Model name	Part no.
2x PNP	Plug M12 x 1, 4-pin, IP 67	G 1/4 A according to DIN 3852-E	NBR	0 bar ... 1 bar	PBS-RB1X0SG1SSNAMA0Z	6038847
				0 bar ... 10 bar	PBS-RB010SG1SSNAMA0Z	6038862
				0 bar ... 100 bar	PBS-RB100SG1SSNAMA0Z	6038865
				0 bar ... 250 bar	PBS-RB250SG1SSNAMA0Z	6038866
				0 bar ... 400 bar	PBS-RB400SG1SSNAMA0Z	6041099
				0 bar ... 600 bar	PBS-RB600SG1SSNAMA0Z	6038867
1x PNP + 4 ... 20 mA	Plug M12 x 1, 4-pin, IP 67	G 1/4 A according to DIN 3852-E	NBR	0 bar ... 1 bar	PBS-RB1X0SG1SSNBMA0Z	6038885
				0 bar ... 10 bar	PBS-RB010SG1SSNBMA0Z	6038888
				0 bar ... 100 bar	PBS-RB100SG1SSNBMA0Z	6038891
				0 bar ... 250 bar	PBS-RB250SG1SSNBMA0Z	6038892
				0 bar ... 400 bar	PBS-RB400SG1SSNBMA0Z	6041724
				0 bar ... 600 bar	PBS-RB600SG1SSNBMA0Z	6038893
2x PNP + 4 ... 20 mA	Plug M12 x 1, 5-pin, IP 67	G 1/4 A according to DIN 3852-E	NBR	0 bar ... 1 bar	PBS-RB1X0SG1SSND5A0Z	6038912
				0 bar ... 10 bar	PBS-RB010SG1SSND5A0Z	6038678
				0 bar ... 100 bar	PBS-RB100SG1SSND5A0Z	6038917
				0 bar ... 250 bar	PBS-RB250SG1SSND5A0Z	6038918
				0 bar ... 400 bar	PBS-RB400SG1SSND5A0Z	6042402
				0 bar ... 600 bar	PBS-RB600SG1SSND5A0Z	6038920

Accessories

	Accessory category	Brief description	Model name	Part no.
	IO-Link field module	IO-Link module for Profibus with four ports	IOLSHPB-P3104R01	6039728
	Mounting brackets/plates	Mounting bracket for simple and stable wall mounting of pressure sensors with 27 mm hexagon	BEF-FL-ALUPBS-HLDR	5322501

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At a glance

- Pressure measurement ranges from 0 bar ... 1 bar up to 0 bar ... 600 bar
- Gauge, absolute, and compound measurement ranges
- A large variety of available process connections
- No moving parts: No mechanical wear, fatigue-proof, maintenance-free
- Circularly welded, hermetically sealed stainless steel membrane
- Output signal 4 mA ... 20 mA, 0 V ... 5 V or 0 V ... 10 V
- Electrical connection M12 x 1, L-connector acc. to DIN 175301-803 A or flying leads

Your benefits

- Compact size takes up less space
- Simple and cost-saving installation
- Available in a wide selection of configurations, enabling a perfect match to individual customer requirements
- Robust design enables higher reliability
- Excellent price/performance ratio

→ **www.mysick.com/en/PBT**

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/PBT

- **Electrical connection:** M12 x 1, 4-pin, IP 67
- **Process connection:** G 1/4 A according to DIN 3852-E
- **Seal:** NBR
- **Measuring range:** –1 bar ... 0 bar
- **Pressure type:** Compound pressure
- **Accuracy of sensor element:** ≤ ± 1 %
- **Process temperature:** 0 °C ... +80 °C
- **Pressure port:** Standard

Output signal	Model name	Part no.
4...20 mA	PBT-CB1X0SG1SSNAMA0Z	6040917
0...10 V, 3-wire	PBT-CB1X0SG1SSNVMC0Z	6043710

- **Pressure type:** Gauge Pressure
- **Accuracy of sensor element:** ≤ ± 1 % of span
- **Process temperature:** 0 °C ... +80 °C
- **Pressure port:** Standard

Output signal	Electrical connection	Process connection	Seal	Measuring range	Model name	Part no.
4...20 mA	M12 x 1, 4-pin, IP 67	G 1/4 A according to DIN 3852-E	NBR	0 bar ... 1 bar	PBT-RB1X0SG1SSNAMA0Z	6038716
				0 bar ... 10 bar	PBT-RB010SG1SSNAMA0Z	6038615
				0 bar ... 100 bar	PBT-RB100SG1SSNAMA0Z	6038648
				0 bar ... 250 bar	PBT-RB250SG1SSNAMA0Z	6038652
				0 bar ... 400 bar	PBT-RB400SG1SSNAMA0Z	6038656
				0 bar ... 600 bar	PBT-RB600SG1SSNAMA0Z	6038660

Output signal	Electrical connection	Process connection	Seal	Measuring range	Model name	Part no.
0...10 V, 3-wire	M12 x 1, 4-pin, IP 67	G 1/4 A according to DIN 3852-E	NBR	0 bar ... 1 bar	PBT-RB1X0SG1SSNVMC0Z	6038627
				0 bar ... 10 bar	PBT-RB010SG1SSNVMC0Z	6038638
				0 bar ... 100 bar	PBT-RB100SG1SSNVMC0Z	6038650
				0 bar ... 250 bar	PBT-RB250SG1SSNVMC0Z	6038654
				0 bar ... 400 bar	PBT-RB400SG1SSNVMC0Z	6038658
				0 bar ... 600 bar	PBT-RB600SG1SSNVMC0Z	6038662
4...20 mA	L-connector (DIN EN 175301-803 A), IP 65	G 1/4 A according to DIN 3852-E	NBR	0 bar ... 1 bar	PBT-RB1X0SG1SSNALA0Z	6041998
				0 bar ... 10 bar	PBT-RB010SG1SSNALA0Z	6040974
				0 bar ... 100 bar	PBT-RB100SG1SSNALA0Z	6041999
				0 bar ... 250 bar	PBT-RB250SG1SSNALA0Z	6041438
				0 bar ... 400 bar	PBT-RB400SG1SSNALA0Z	6041553
				0 bar ... 600 bar	PBT-RB600SG1SSNALA0Z	6043580
0...10 V, 3-wire	L-connector (DIN EN 175301-803 A), IP 65	G 1/4 A according to DIN 3852-E	NBR	0 bar ... 1 bar	PBT-RB1X0SG1SSNVLC0Z	6043989
				0 bar ... 10 bar	PBT-RB010SG1SSNVLC0Z	6042101
0...10 V, 3-wire (RA > 10 kOhm)	–	G 1/4 A (DIN 3852-E)	NBR (Only with process connection G 1/4 A acc. to DIN3852 E)	0 bar ... 100 bar	PBT-RB100SG1SSNVLC0Z	6047878
				0 bar ... 250 bar	PBT-RB250SG1SSNVLC0Z	6047659
0...10 V, 3-wire	L-connector (DIN EN 175301-803 A), IP 65	G 1/4 A according to DIN 3852-E	NBR	0 bar ... 400 bar	PBT-RB400SG1SSNVLC0Z	6039721
0...10 V, 3-wire (RA > 10 kOhm)	–	G 1/4 A (DIN 3852-E)	NBR (Only with process connection G 1/4 A acc. to DIN3852 E)	0 bar ... 600 bar	PBT-RB600SG1SSNVLC0Z	6049654
4...20 mA	M12 x 1, 4-pin, IP 67	1/4'' NPT	Without sealing	0 bar ... 1 bar	PBT-RB1X0SN1SS0AMA0Z	6043720
				0 bar ... 10 bar	PBT-RB010SN1SS0AMA0Z	6039256
				0 bar ... 100 bar	PBT-RB100SN1SS0AMA0Z	6042006
				0 bar ... 250 bar	PBT-RB250SN1SS0AMA0Z	6042527
				0 bar ... 400 bar	PBT-RB400SN1SS0AMA0Z	6042070
				0 bar ... 600 bar	PBT-RB600SN1SS0AMA0Z	6044002

At a glance

- Measurement ranges from 0 mbar ... 100 mbar up to 0 bar ... 600 bar
- Gauge, absolute, and compound measurement ranges
- Variant with flush-mounted membrane available
- Process temperature up to 150 °C (optional)
- Large variety of commonly used process connections
- High shock and vibration resistance
- Accuracy 0.5 % or 0.25 %
- Output signal 4 mA ... 20 mA, 0 V ... 5 V, or 0 V ... 10 V
- Zero and span adjustable
- Electrical connection M12 x 1, L-connector according to DIN 175301-803 A or flying leads

Your benefits

- Reliable and highly accurate measurement technology
- Wide application range
- No mechanical wear, fatigue-proof, maintenance-free as no moving parts
- Simple and cost-saving installation
- Optimal solution for individual requirements due to very versatile configurability

→ **www.mysick.com/en/PFT**

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/PFT

- **Electrical connection:** M12 x 1, 4-pin, IP 67
- **Process connection:** G 1/4 A according to DIN 3852-E
- **Seal:** Without sealing
- **Measuring range:** –1 bar ... 0 bar
- **Pressure type:** Compound pressure
- **Accuracy of sensor element:** ≤ ± 0.5 % of span≤ 0.25 % of span (Optionally available for pressure ranges ≥ 0.25 bar). Including non-linearity, hysteresis, zero point and full scale error (corresponds to error of measurement per IEC 61298-2) Calibrated vertically with pressure connector facing downwards
- **Process temperature:** –30 °C ... +100 °C
- **Pressure port:** Standard

Output signal	Model name	Part no.
4...20 mA	PFT-SCB1X0SG1SSAAMSSZ	6038782
0...10 V, 3-wire	PFT-SCB1X0SG1SSAVMSSZ	6038784

- **Electrical connection:** M12 x 1, 4-pin, IP 67
- **Pressure type:** Gauge Pressure
- **Accuracy of sensor element:** ≤ ± 0.5 % of span≤ 0.25 % of span (Optionally available for pressure ranges ≥ 0.25 bar).
  Including non-linearity, hysteresis, zero point and full scale error (corresponds to error of measurement per IEC 61298-2)
  Calibrated vertically with pressure connector facing downwards
- **Process temperature:** –30 °C ... +100 °C

Output signal	Process connection	Seal	Measuring range	Pressure port	Model name	Part no.
4...20 mA	G 1/4 A according to DIN 3852-E	NBR	0 bar ... 0.1 bar	Standard	PFT-SRBX10SG1SSAAMSSZ	6038719
			0 bar ... 1 bar	Standard	PFT-SRB1X0SG1SSAAMSSZ	6038723
			0 bar ... 10 bar	Standard	PFT-SRB010SG1SSAAMSSZ	6038735
			0 bar ... 100 bar	Standard	PFT-SRB100SG1SSAAMSSZ	6038746
			0 bar ... 250 bar	Standard	PFT-SRB250SG1SSAAMSSZ	6038750
			0 bar ... 400 bar	Standard	PFT-SRB400SG1SSAAMSSZ	6038594
			0 bar ... 600 bar	Standard	PFT-SRB600SG1SSAAMSSZ	6038754
0...10 V, 3-wire	G 1/4 A according to DIN 3852-E	Without sealing	0 bar ... 1 bar	Standard	PFT-SRB1X0SG1SSAVMSSZ	6038724
			0 bar ... 0.1 bar	Standard	PFT-SRBX10SG1SSAVMSSZ	6038721
			0 bar ... 10 bar	Standard	PFT-SRB010SG1SSAVMSSZ	6038679
			0 bar ... 100 bar	Standard	PFT-SRB100SG1SSAVMSSZ	6038748
			0 bar ... 250 bar	Standard	PFT-SRB250SG1SSAVMSSZ	6038752
			0 bar ... 400 bar	Standard	PFT-SRB400SG1SSAVMSSZ	6043562
			0 bar ... 600 bar	Standard	PFT-SRB600SG1SSAVMSSZ	6038756
4...20 mA	G 1 B flush-mounted with O-ring	With flush-mounted membrane: wetted parts: CrNi-steel + NBR O-Ring	0 bar ... 0.1 bar	–	PFT-FRBX10SF10SSAMSSZ	6038817
			0 bar ... 0.25 bar		PFT-FRBX25SF10SSAMSSZ	6038818
	G 1/2 B flush-mounted with O-ring		0 bar ... 2.5 bar		PFT-FRB2X5SF20SSAMSSZ	6038810
			0 bar ... 10 bar		PFT-FRB010SF20SSAMSSZ	6038812
			0 bar ... 100 bar		PFT-FRB100SF20SSAMSSZ	6038815
			0 bar ... 250 bar		PFT-FRB250SF20SSAMSSZ	6038816
			0 bar ... 400 bar		PFT-FRB400SF20SSAMSSZ	6039115

Accessories

	Accessory category	Brief description	Model name	Part no.
	Flanges	Welded flange/welded connector, front-flush variant, process connection G 1 B	BEF-FL-316G10-B0PH	5322450
		Welded flange/welded connector, front-flush variant, process connection G 1/2 B	BEF-FL-316G12-B0PH	5322449

At a glance

- Robust and precise pressure measurement technology
- Flush-mounted, hermetically sealed stainless steel membrane with roughness Ra < 0.4 µm
- Wetted parts stainless steel 1.4435, housing stainless steel 1.4571
- CIP/SIP resistant
- Large range of hygienic process connectors
- Stainless steel housing with enclosure rating of up to IP 68
- Field housing available (IP 67)

Your benefits

- Perfectly suited for demanding hygienic applications in the food and beverage, pharmaceutical and cosmetics industries
- Safe hygienic operation through EHEDG and 3-A certifications
- High reliability due to robust design and use of high-grade materials
- Withstands CIP/SIP, ensuring high system availability and reliability
- Transmitter housing is easily cleaned
- Versatile configurability optimizes solutions

→ **www.mysick.com/en/PHT**

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/PHT

- **Output signal:** 4...20 mA
- **Pressure type:** Gauge Pressure
- **Accuracy of sensor element:** ≤ ± 0.5 % of span optional 0.25 % of span (adjusted in vertical mounting position with lower pressure connection)
- **Process temperature:** –20 °C ... +150 °C

Electrical connection	Process connection	Measuring range	Model name	Part no.
M12 x 1, 4-pin, IP 67	Tri-Clamp 1 ½''	0 bar ... 0.25 bar	PHT-RBX25ST10S0AMS0Z	6039291
		0 bar ... 1 bar	PHT-RB1X0ST10S0AMS0Z	6039293
		0 bar ... 2.5 bar	PHT-RB2X5ST10S0AMS0Z	6039294
		0 bar ... 6 bar	PHT-RB6X0ST10S0AMS0Z	6039295
		0 bar ... 10 bar	PHT-RB010ST10S0AMS0Z	6039296
		0 bar ... 25 bar	PHT-RB025ST10S0AMS0Z	6039297
	Conical coupling (DIN 11851) DN 40 with union nut	0 bar ... 0.25 bar	PHT-RBX25S540S0AMS0Z	6039312
		0 bar ... 1 bar	PHT-RB1X0S540S0AMS0Z	6039314
		0 bar ... 2.5 bar	PHT-RB2X5S540S0AMS0Z	6039315
		0 bar ... 6 bar	PHT-RB6X0S540S0AMS0Z	6039316
		0 bar ... 10 bar	PHT-RB010S540S0AMS0Z	6039317
		0 bar ... 25 bar	PHT-RB025S540S0AMS0Z	6039318
	Varivent Connector Type F	0 bar ... 0.25 bar	PHT-RBX25SVF0S0AMS0Z	6039340
		0 bar ... 1 bar	PHT-RB1X0SVF0S0AMS0Z	6039342
		0 bar ... 2.5 bar	PHT-RB2X5SVF0S0AMS0Z	6039343
		0 bar ... 6 bar	PHT-RB6X0SVF0S0AMS0Z	6039344
		0 bar ... 10 bar	PHT-RB010SVF0S0AMS0Z	6039345
		0 bar ... 25 bar	PHT-RB025SVF0S0AMS0Z	6039346

Electrical connection	Process connection	Measuring range	Model name	Part no.
Field housing IP 67	Tri-Clamp 1 ½''	0 bar ... 0.25 bar	PHT-RBX25ST10S0AFT0Z	6039403
		0 bar ... 1 bar	PHT-RB1X0ST10S0AFT0Z	6039405
		0 bar ... 2.5 bar	PHT-RB2X5ST10S0AFT0Z	6039406
		0 bar ... 6 bar	PHT-RB6X0ST10S0AFT0Z	6039407
		0 bar ... 10 bar	PHT-RB010ST10S0AFT0Z	6039408
		0 bar ... 25 bar	PHT-RB025ST10S0AFT0Z	6039409
	Conical coupling (DIN 11851) DN 40 with union nut	0 bar ... 0.25 bar	PHT-RBX25S540S0AFT0Z	6039424
		0 bar ... 1 bar	PHT-RB1X0S540S0AFT0Z	6039426
		0 bar ... 2.5 bar	PHT-RB2X5S540S0AFT0Z	6039427
		0 bar ... 6 bar	PHT-RB6X0S540S0AFT0Z	6039428
		0 bar ... 10 bar	PHT-RB010S540S0AFT0Z	6039429
		0 bar ... 25 bar	PHT-RB025S540S0AFT0Z	6039430

At a glance

- Immersion depth up to 100 m
- Available with various cable lengths
- Measuring ranges from 0...0.1 bar up to 0...25 bar
- Stainless steel membrane
- Hermetically sealed stainless steel housing with PA protection cap
- Cable made from PUR, FEP-cable for aggressive media optionally available
- Optional temperature measurement with integrated Pt 100-element
- Optional surge protection

Your benefits

- Enables level measurement under difficult conditions where other measurement technologies fail
- Rugged and reliable through robust mechanical design and high-grade materials
- For cleaning purposes the probe can easily be taken out of the liquid
- No openings required in the wall of the vessel

→ **www.mysick.com/en/LFH**

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/LFH

LFH-SB

- **Output signal:** 4 mA ... 20 mA
- **Process temperature:** –10 °C ... +50 °C
- **Wetted parts:** Housing: Stainless steel, Pressure connection/ diaphragm: Stainless steel, Protection cap: PA
- **Electrical connection:** Cable PUR
- **Enclosure rating:** IP 68

Measuring range	Cable length	Model name	Part no.
0 bar ... 0.25 bar	1.5 m	LFH-SBX25G1AS01SZ0	6040938
	3 m	LFH-SBX25G1AS03SZ0	6040939
	5 m	LFH-SBX25G1AS05SZ0	6040940
	10 m	LFH-SBX25G1AS10SZ0	6040941
0 bar ... 0.4 bar	5 m	LFH-SBX40G1AS05SZ0	6040942
	10 m	LFH-SBX40G1AS10SZ0	6040943
	15 m	LFH-SBX40G1AS15SZ0	6040944
	20 m	LFH-SBX40G1AS20SZ0	6040945

Measuring range	Cable length	Model name	Part no.
0 bar ... 0.6 bar	5 m	LFH-SBX60G1AS05SZ0	6040946
	10 m	LFH-SBX60G1AS10SZ0	6040947
	15 m	LFH-SBX60G1AS15SZ0	6040948
	20 m	LFH-SBX60G1AS20SZ0	6040949
0 bar ... 1 bar	10 m	LFH-SB1X0G1AS10SZ0	6040950
	15 m	LFH-SB1X0G1AS15SZ0	6040951
	20 m	LFH-SB1X0G1AS20SZ0	6040952
	25 m	LFH-SB1X0G1AS25SZ0	6040953
0 bar ... 1.6 bar	15 m	LFH-SB1X6G1AS15SZ0	6040954
	20 m	LFH-SB1X6G1AS20SZ0	6040955
	25 m	LFH-SB1X6G1AS25SZ0	6040956
	30 m	LFH-SB1X6G1AS30SZ0	6040957

Accessories

	Accessory category	Brief description	Model name	Part no.
	Adapters/distributors	For electrical connection of level probe LFH. With integrated pressure compensation and terminal block	ASK-CB-LFHPC0-0001	5324310
	Other mounting accessories	Additional weight for stabilizing the LFH level sensor in moving liquids. Interior process connection G ½, is fastened to the level sensor instead of the protective cap	BEF-AW-LFHSST-0001	5324308
	Protection filter	Protection filter for level probe LFH. Prevents humidity from entering the ventilation tube of the connection cable. For self-mounting at cable end	APR-VF-LFH001-0001	5324309
	Terminal and alignment brackets	Cable tension clamp for mounting the connection cable of the level sensor, tensile load = 2.5 kN	BEF-CC-LFH001-0001	5324307

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At a glance

- Flow sensor for conductive and non-conductive liquids
- Compact design with no moving parts
- Process temperature up to 80 °C, process pressure up to 16 bar
- High chemical resistance due to seal-free sensor design
- Large display with membrane key-board
- Integrated teaching tube detection

Your benefits

- Reduced maintenance costs
- Adjustable measuring ranges reduces the number of variants
- Ability to be used with conductive and non-conductive liquids reduces vari-ants and lowers storage costs
- Straight measuring tube reduces pressure loss, thus reducing energy costs
- Sensor without seals increases process reliability and availability
- Flexible measurement system for all industries

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→ **www.mysick.com/en/FFU**

For more information, just enter the link or scan the QR code and get direct access to technical data, CAD design models, operating instructions, software, application examples and much more.

Ordering information

Other models available at www.mysick.com/en/FFU

Process pressure	Process connection	Nominal width measuring tube	Maximum flow	Model name	Part no.
Max. 10 bar	G 1	NW 20	0 l/min ... 60 l/min	FFUS20-1G1IO	6041738
				FFUS20-1G1SR	6043745
	G 1 1/4	NW 25	0 l/min ... 240 l/min	FFUS25-1G1IO	6041739
				FFUS25-1G1SR	6043746
	1” NPT	NW 20	0 l/min ... 60 l/min	FFUS20-1N1IO	6047870
	1 1/4” NPT	NW 25	0 l/min ... 240 l/min	FFUS25-1N1IO	6044996
	NW 25, 1 1/4” NPT	NW 25	0 l/min ... 240 l/min	FFUS25-1N1SR	6049566
	Clamp (DIN 11864-3) DN 20 form A	NW 20	0 l/min ... 60 l/min	FFUS20-1C1IO	6049061
	Clamp (DIN 11864-3) DN 25 form A	NW 25	0 l/min ... 240 l/min	FFUS25-1C1IO	6044523
Max. 16 bar	G 1/2	NW 10	0 l/min ... 21 l/min	FFUS10-1G1IO	6041737
	G 3/4	NW 15	0 l/min ... 36 l/min	FFUS15-1G1IO	6041249
	G 1/2	NW 10	0 l/min ... 21 l/min	FFUS10-1G1SR	6043743
	G 3/4	NW 15	0 l/min ... 36 l/min	FFUS15-1G1SR	6043744
	1/2” NPT	NW 10	0 l/min ... 21 l/min	FFUS10-1G1IO	6047868
	3/4” NPT	NW 15	0 l/min ... 36 l/min	FFUS15-1N1IO	6047869
	Clamp (DIN 11864-3) DN 10 form A	NW 10	0 l/min ... 21 l/min	FFUS10-1C1IO	6049101
	Clamp (DIN 11864-3) DN 15 form A	NW 15	0 l/min ... 36 l/min	FFUS15-1C1IO	6045162

At a glance

- Pt100 element, accuracy class A according to IEC 60751
- Measuring ranges –50 °C ... +150 °C and –50 °C ... +250 °C
- Wetted parts made from corrosion resistant stainless steel 1.4571
- Various mechanical adaptations and insertion lengths
- Pt100 (4-wire) or 4 mA ... 20 mA (2-wire)
- Cable gland M16 x 1.5

Your benefits

- Reliable operation through rugged design and high-quality materials
- Good long-term stability, accuracy and linearity
- Quick and safe installation
- Convenient system integration even in narrow installation spaces
- Optimal solutions for individual requirements

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Ordering information

Other models available at www.mysick.com/en/TBT

- **Measuring range:** –50 °C ... +150 °C
- **Electrical connection/enclosure rating:** cable gland M16 x 1.5, IP 65

Output signal	Process connection	Insertion length/diameter of probe	Model name	Part no.
Pt100, 4-wire	Without process connection	50 mm / 3 mm, 50 mm	TBT-1PAZZ0503GZ	6043008
		100 mm / 6 mm, 100 mm	TBT-1PAZZ1006GZ	6043009
		150 mm / 6 mm, 150 mm	TBT-1PAZZ1506GZ	6043010
		250 mm / 6 mm, 250 mm	TBT-1PAZZ2506GZ	6043011
	Thread G 1/4 B	50 mm / 3 mm, 50 mm	TBT-1PAG10503GZ	6043015
		100 mm / 6 mm, 100 mm	TBT-1PAG11006GZ	6043016
		150 mm / 6 mm, 150 mm	TBT-1PAG11506GZ	6043017
		250 mm / 6 mm, 250 mm	TBT-1PAG12506GZ	6043018
	Thread G 1/2 B	50 mm / 3 mm, 50 mm	TBT-1PAGE0503GZ	6043021
		100 mm / 6 mm, 100 mm	TBT-1PAGE1006GZ	6043022
		150 mm / 6 mm, 150 mm	TBT-1PAGE1506GZ	6043023
		250 mm / 6 mm, 250 mm	TBT-1PAGE2506GZ	6043024
	Compression fitting G 1/2 B, CrNi stainless steel ferrule	50 mm / 3 mm, 50 mm	TBT-1PASE0503GZ	6043033
		100 mm / 6 mm, 100 mm	TBT-1PASE1006GZ	6043034
		150 mm / 6 mm, 150 mm	TBT-1PASE1506GZ	6043035
		250 mm / 6 mm, 250 mm	TBT-1PASE2506GZ	6043036

Output signal	Process connection	Insertion length/diameter of probe	Model name	Part no.
4 mA ... 20 mA, 2-wire ($R_A \leq (L^+ - 10\ V) / 0.028\ A$ [Ohm])	Without process connection	50 mm / 3 mm, 50 mm	TBT-1AAZZ0503GZ	6043039
		100 mm / 6 mm, 100 mm	TBT-1AAZZ1006GZ	6043040
		150 mm / 6 mm, 150 mm	TBT-1AAZZ1506GZ	6043041
		250 mm / 6 mm, 250 mm	TBT-1AAZZ2506GZ	6043042
	Thread G 1/4 B	50 mm / 3 mm, 50 mm	TBT-1AAG10503GZ	6043045
		100 mm / 6 mm, 100 mm	TBT-1AAG11006GZ	6043046
		150 mm / 6 mm, 150 mm	TBT-1AAG11506GZ	6043047
		250 mm / 6 mm, 250 mm	TBT-1AAG12506GZ	6043048
	Thread G 1/2 B	50 mm / 3 mm, 50 mm	TBT-1AAGE0503GZ	6043051
		100 mm / 6 mm, 100 mm	TBT-1AAGE1006GZ	6043052
		150 mm / 6 mm, 150 mm	TBT-1AAGE1506GZ	6043053
		250 mm / 6 mm, 250 mm	TBT-1AAGE2506GZ	6043054
	Compression fitting G 1/2 B, CrNi stainless steel ferrule	50 mm / 3 mm, 50 mm	TBT-1AASE0503GZ	6043066
		100 mm / 6 mm, 100 mm	TBT-1AASE1006GZ	6043067
		150 mm / 6 mm, 150 mm	TBT-1AASE1506GZ	6043068
		250 mm / 6 mm, 250 mm	TBT-1AASE2506GZ	6043069

At a glance

- Large display
- Individually programmable transistor outputs PNP or NPN, optional analog output 4 mA ... 20 mA or 0 V ... 10 V
- Round connector M12 x 1
- Measuring ranges –20 °C ... +80 °C
- Pt1000 element, accuracy class A (IEC 60751)
- Various insertion lengths and connection threads
- Wetted parts made from corrosion-resistant stainless steel 1.4571
- Enclosure rating IP 65 and IP 67

Your benefits

- Quick and safe set-up through superior ease of use
- Compact dimensions and rotatable housing facilitate integration
- Very reliable: splash-proof housing, high-grade materials, rugged design, and field-proven technology
- Very good long-term stability, accuracy and linearity
- Quick response time
- Versatile configuration allows for optimal solutions for specific requirements

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Ordering information

Other models available at www.mysick.com/en/TBS

- **Electrical connection:** round connector M12 x 1, 4-pin
- **Seal:** NBR

Output signal	Process connection	Insertion length/ diameter of probe	Model name	Part no.
2 x PNP	Thread G 1/4 A, thread G 1/4 A, according to DIN 3852-E	50 mm / 6 mm	TBS-1ASG10506NM	6048661
		100 mm / 6 mm	TBS-1ASG11006NM	6048662
		150 mm / 6 mm	TBS-1ASG11506NM	6048663
		250 mm / 6 mm	TBS-1ASG12506NM	6048664
	Thread G 1/2 A, thread G 1/2 A, according to DIN 3852-E	50 mm / 6 mm	TBS-1ASGT0506NM	6048665
		100 mm / 6 mm	TBS-1ASGT1006NM	6048666
		150 mm / 6 mm	TBS-1ASGT1506NM	6048667
		250 mm / 6 mm	TBS-1ASGT2506NM	6048668
1 x PNP 1 x 4 mA ... 20 mA	Thread G 1/4 A, thread G 1/4 A, according to DIN 3852-E	50 mm / 6 mm	TBS-1BSG10506NM	6048669
		100 mm / 6 mm	TBS-1BSG11006NM	6048670
		150 mm / 6 mm	TBS-1BSG11506NM	6048671
		250 mm / 6 mm	TBS-1BSG12506NM	6048672
	Thread G 1/2 A, thread G 1/2 A, according to DIN 3852-E	50 mm / 6 mm	TBS-1BSGT0506NM	6048673
		100 mm / 6 mm	TBS-1BSGT1006NM	6048674
		150 mm / 6 mm	TBS-1BSGT1506NM	6048675
		250 mm / 6 mm	TBS-1BSGT2506NM	6048676

- **Electrical connection:** Round connector M12 x 1, 5-pin
- **Output signal:** 2 x PNP1 x 4 mA ... 20 mA
- **Seal:** NBR

Process connection	Insertion length/diameter of probe	Model name	Part no.
Thread G 1/4 A, thread G 1/4 A, according to DIN 3852-E	50 mm / 6 mm	TBS-1DSG10506NE	6048677
	100 mm / 6 mm	TBS-1DSG11006NE	6048678
	150 mm / 6 mm	TBS-1DSG11506NE	6048679
	250 mm / 6 mm	TBS-1DSG12506NE	6048680
Thread G 1/2 A, thread G 1/2 A, according to DIN 3852-E	50 mm / 6 mm	TBS-1DSGT0506NE	6048681
	100 mm / 6 mm	TBS-1DSGT1006NE	6048682
	150 mm / 6 mm	TBS-1DSGT1506NE	6048683
	250 mm / 6 mm	TBS-1DSGT2506NE	6048684

At a glance

- Pt100 element, accuracy class A (IEC 60751)
- Measuring ranges –50 °C ... +150 °C and –50 °C ... +250 °C
- Wetted parts: Corrosion-resistant stainless steel 316L/1.4435, R_a ≤ 0.8 µm
- Various hygienic process connections and insertion lengths
- Pt100 (4-wire) or 4 mA ... 20 mA (2-wire)
- Round connector M12 x 1

Your benefits

- Convenient system integration – installation in narrow installation space possible through compact dimensions
- Safe, hygienic operation due to wetted parts made from high-grade stainless steel, hygienically-graded surface finish and a gap- and crevice-free design
- Rugged: Connection housing is easily cleaned and splash proof
- Quick and safe installation
- Very good long-term stability, accuracy and linearity
- Quick response time
- Optimal solutions for individual requirements due to versatile configurability

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Ordering information

Other models available at www.mysick.com/en/THTS

- **Measuring range:** –50 °C ... +150 °C
- **Electrical connection/enclosure rating:** round connector M12 x 1, 4-pin / IP 68 and IP 69K

Output signal	Process connection	Insertion length/diameter of probe	Model name	Part no.
Pt100, 4-wire	Tri-clamp 1'', 1 ½''	25 mm / 6 mm, 25 mm	THTS-1PAT10256MZ	6047587
		50 mm / 6 mm, 50 mm	THTS-1PAT10506MZ	6047588
		75 mm / 6 mm, 75 mm	THTS-1PAT10756MZ	6047562
		100 mm / 6 mm, 100 mm	THTS-1PAT11006MZ	6047589
		150 mm / 6 mm, 150 mm	THTS-1PAT11506MZ	6047591
		200 mm / 6 mm, 200 mm	THTS-1PAT12006MZ	6047592
	Conical coupling (DIN 11851) DN 40 with union nut	25 mm / 6 mm, 25 mm	THTS-1PA540256MZ	6047594
		50 mm / 6 mm, 50 mm	THTS-1PA540506MZ	6047596
		75 mm / 6 mm, 75 mm	THTS-1PA540756MZ	6047597
		100 mm / 6 mm, 100 mm	THTS-1PA541006MZ	6047599
		150 mm / 6 mm, 150 mm	THTS-1PA541506MZ	6047600
		200 mm / 6 mm, 200 mm	THTS-1PA542006MZ	6047602

Output signal	Process connection	Insertion length/diameter of probe	Model name	Part no.
4 mA ... 20 mA, 2-wire ($R_A \leq (L^+ - 10\ V) / 0.023\ A$ [Ohm])	Tri-clamp 1'', 1 ½''	25 mm / 6 mm, 25 mm	THTS-1AAT10256MZ	6047603
		50 mm / 6 mm, 50 mm	THTS-1AAT10506MZ	6047604
		75 mm / 6 mm, 75 mm	THTS-1AAT10756MZ	6047605
		100 mm / 6 mm, 100 mm	THTS-1AAT11006MZ	6047606
		150 mm / 6 mm, 150 mm	THTS-1AAT11506MZ	6047607
		200 mm / 6 mm, 200 mm	THTS-1AAT12006MZ	6047608
	Conical coupling (DIN 11851) DN 40 with union nut	25 mm / 6 mm, 25 mm	THTS-1AA540256MZ	6047609
		50 mm / 6 mm, 50 mm	THTS-1AA540506MZ	6047610
		75 mm / 6 mm, 75 mm	THTS-1AA540756MZ	6047611
		100 mm / 6 mm, 100 mm	THTS-1AA541006MZ	6047612
		150 mm / 6 mm, 150 mm	THTS-1AA541506MZ	6047613
		200 mm / 6 mm, 200 mm	THTS-1AA542006MZ	6047614