

MICROWAVE LEVEL TRANSMITTER TYPE 8185 / 8186



For liquids and bulk materials

- Rod or cable versions
- Two-wire

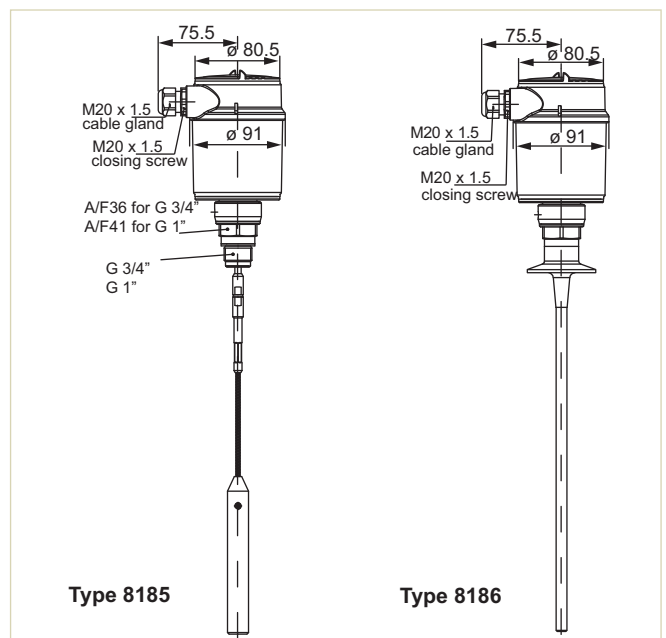


Guided radar level transmitter for aggressive media and high pressure. A sleek, compact stainless steel design incorporates a 2-wire HART transmitter which is easily PC configurable.

Technical Data

Housing / Cover	PBT, Stainless steel 316L / PC
Seal ring / Ground terminal	NBR / Stainless steel /316L
Conductor	Stainless steel 1.4462 (8185), ST ST 316L (8186)
Display	LCD in full dot matrix
Ambient temperature	-20 °C – +70 °C
Voltage supply	2-wire, 14 to 36 V DC (10-30 VDC for Ex)
Current consumption max.	22 mA
Electrical connections	Cable glands M20 x 1.5
Outputs	4...20 mA/HART
Output load max.	See datasheet
Dead zone	From top to probe: 80mm (150mm with Cable) From bottom of the probe: 0mm (250mm with cable)
Measuring range	0.08m to 4m with 8185 rod 0.15m to 32m with 8185 cable 0.08m to 4m with 8186
Accuracy	± 3mm (See drawing in datasheet)
Min. dielectric	$r > 1.6$
Process temperature	-40 °C to +150 °C
Temperature coefficient	0.06% /10K
Ingress protection	IP66/IP67, with M20 x 1.5 gland mounted and tightened

Envelope Dimensions [mm] see data sheet for details)



Options

- Ex versions (part numbers are shown, please see datasheets for details)
- Other hygienic fittings

Ordering Chart

Type	Location	Process connection	Type	Length	Electrical connection	Item no.
8185	Standard	G 3/4" ISO 228	Rod	1 m	M20 cable gland	558 229
	Standard	G 3/4" ISO 228	Rod	2 m	M20 cable gland	558 233
	Standard	G 3/4" ISO 228	Cable	5 m	M20 cable gland	558 241
	Standard	G 3/4" ISO 228	Cable	10 m	M20 cable gland	558 245
	Standard	G 1" ISO 228	Rod	1 m	M20 cable gland	558 231
	Standard	G 1" ISO 228	Rod	2 m	M20 cable gland	558 235
	Standard	G 1" ISO 228	Cable	5 m	M20 cable gland	558 243
	Standard	G 1" ISO 228	Cable	10 m	M20 cable gland	558 247
Ex versions also available						
8186	Standard	Clamp 2"	Rod	1 m	M20 cable gland	558 253
	Standard	Clamp 2"	Rod	2 m	M20 cable gland	558 255
	Ex	Clamp 2"	Rod	1 m	M20 cable gland	558 257
	Ex	Clamp 2"	Rod	2 m	M20 cable gland	558 259