

Radar Level Transmitter for Liquids

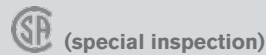


Type 8137

Type 8138

To 100', NPT or flange connection

- Measures up to 100 feet
- High Pressure Version
- Two-wire



8137 / 8138

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.

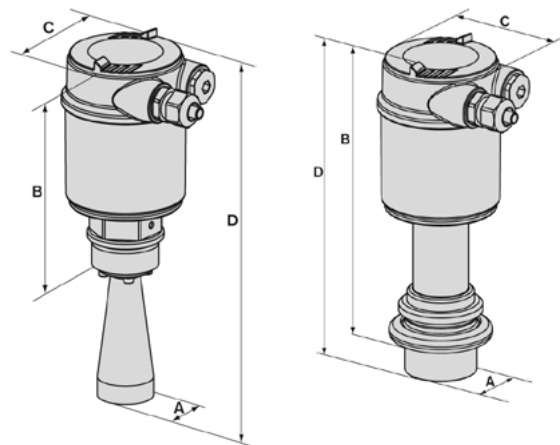
Technical Data

Housing / Cover	PBT, Stainless steel 316L / PC
Seal ring / Ground terminal	NBR / Stainless steel 316Ti/316L (1.4571/1.4435)
Seal	Klingsil C-4400 (8137), EPDM (8138)
Antenna / cone	Stainless steel 316L (8137), Advanced PTFE-PTFE (8138) / PTFE (Advanced PTFE 1600 PTFE) (8137)
Seal (antenna system)	FKM
Display	LCD in full dot matrix
Ambient temperature	-40 to 176 °F
Voltage supply	2-wire, 14 to 36 V DC
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	2'
Measuring range (40mm antenna)	2" to 30'
Accuracy	± 3 mm
Min. Dielectric	εr > 1.6
Temperature coefficient	0.03%/10K
Ingress protection	IP66, IP67, NEMA4X
Approvals	CSA, CE, Optional EEx ia IIC T6

Options

- Ex versions (part numbers are shown, please see datasheets for details)
- 100' measuring with 75mm antenna
- Other hygienic fittings

Envelope Dimensions [inch] (see datasheet for details)



Type	A	B	C	D
8137	1.5" NPT	6.18	3.17	10.98
8138	2" CLAMP	8.58	3.17	8.90

Ordering Chart

Area	Connection	Fluid temperature	Fluid pressure	Item no.
8137				
Standard	NPT 1 1/2"	-40 to 266 °F	vac. to 580 PSI	560 159
Standard	Flange 2" ANSI B16.5	-40 to 266 °F	vac. to 580 PSI	560 163
Ex	NPT 1 1/2"	-40 to 266 °F	vac. to 580 PSI	560 160
Ex	Flange 2" ANSI B16.5	-40 to 266 °F	vac. to 580 PSI	560 164
8138				
Standard	2" clamp	-40 to 302 °F	vac. to 232 PSI	560 169
Ex	2" clamp	-40 to 302 °F	vac. to 232 PSI	560 170