

Ultrasonic Level Transmitter for General Application

8176 / 8177

To 26', NPT connection

- Two-wire
- Reliable non-contact measurement
- HART configuration



Type 8176



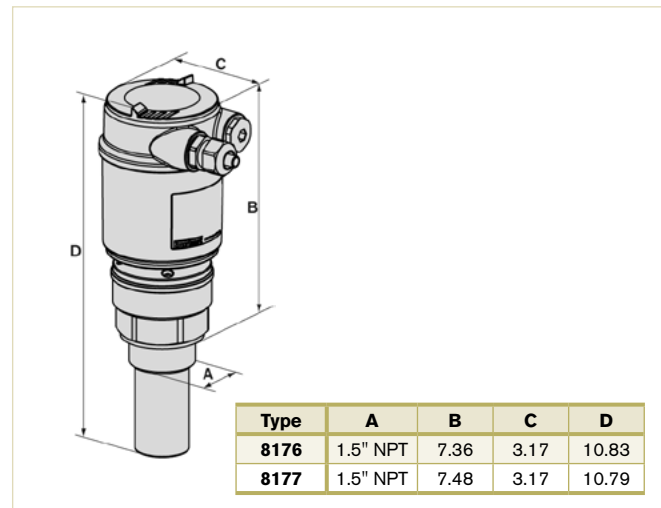
Type 8177

Ultrasonic level transmitters for non-contact measurement of process liquids and solids. Standard HART and 4-20mA HART compatible output.

Technical Data

Housing/Cover	PBT, Stainless steel 316L / PC
Seal ring/Ground terminal	NBR / Stainless steel 316Ti/316L (1.4571/1.4435)
Seal	EPDM
Transducer	PVDF
Display	LCD in full dot matrix
Ambient temperature	-4 to 158 °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
Beam angle	11°
Accuracy	< 0.2% or ± 4 mm
Process temperature	-40 to 176 °F
Temperature coefficient	0.06%/10K
Ingress protection	IP66, IP67, NEMA4X
Approvals	CSA, CE, Optional EEx ia IIC T6

Envelope Dimensions [inch] (see datasheet for details)



Options

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

Ordering Chart

Type	Port Connection	Output	Measuring length	Connector	Item no.
8176 Standard	NPT 1 1/2"	4-20 mA/HART	0.82' to 16.4'	Cable gland M 20 x 1.5	558 221
8176 Ex	NPT 1 1/2"	4-20 mA/HART	0.82' to 16.4'	Cable gland M 20 x 1.5	558 222
8177 Standard	NPT 2"	4-20 mA/HART	1.31' to 26.25'	Cable gland M 20 x 1.5	558 225
8177 Ex	NPT 2"	4-20 mA/HART	1.31' to 26.25'	Cable gland M 20 x 1.5	559 245