

Sensors for explosive areas without amplifier for liquid media | ST 110 S

- G1/2 screw-in sensor for flow monitoring in liquid media
- ATEX approval for operation in Zone 1 and Zone 21
- Medium temperature up to 85°C
- Corrosion-proof stainless steel housing AISI 316 Ti
- Immersion depth 48 mm - thread length 20 mm
- M12 connector
- Installation in T-piece or welding sleeve
- Needs ATEX certified amplifier with analogue or switching output

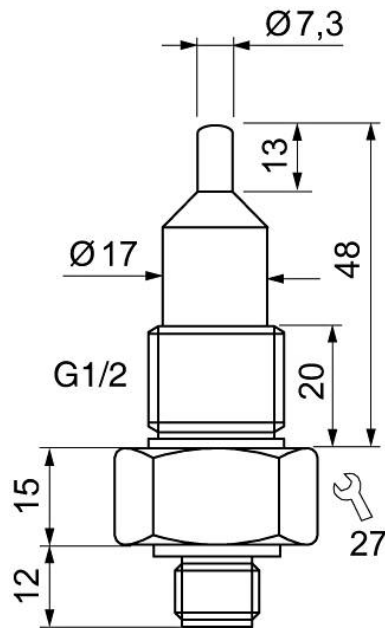


G1/2 - sensor length 48 mm - Ex-Zone 1/21 - M12 connector

TYPE	ST 110 S
Product ID	P11193
Medium	Water, oil
Detection range water	1 ... 100 cm/s
Detection range Oil	3 ... 200 cm/s
Process connection	G1/2
Sensor length L	48 mm
Output	output with separate Amplifier
Ex area of use	Zone 1, Zone 21
ATEX Certificate	TÜV 97 ATEX 1218
ATEX marking gas	Ex II 2 G Ex ib IIC T6...T3 Gb
ATEX Marking dust	Ex II 2 D Ex ib IIIC T125°C Db
Maximum values	U _i = 13.65 V / I _i = 200 mA / P _i = 0.69 W / C _i = 0.45 nF / L _i = 1.80 µH
Temperature range in T6	-20 ... 40 °C
Temperature range in T5	-20 ... 55 °C
Temperature range in T4	-20 ... 85 °C
Temperature range in T3	-20 ... 85 °C
Temperature range dust-Ex	-20 ... 85 °C
Start-up time typ.	8 s (2 ... 18 s)
Reaction time typ.	2 s (1 ... 13 s)

Compressive strength	60 bar
Material sensor touched by medium	stainless steel AISI 316 Ti
Material housing	stainless steel AISI 316 Ti, brass, PA
Protection [EN 60529]	IP 67
Electrical connection	M12 connector
Accessories (in scope of delivery)	2 x gasket G1/2 AFM 34
Associated amplifiers	SZAb 400 EX-GR, SZAb 400 EX-WR115, SZAb 400 EX-WR230, SZAb 400 EX-GA

Technical Image



Pin Map

