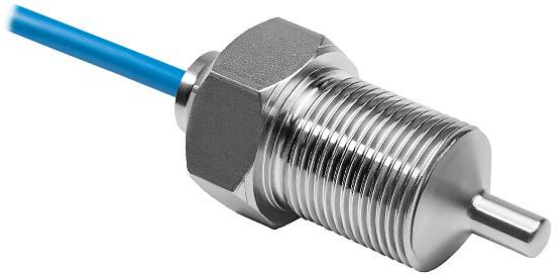
Sensors for explosive areas without amplifier for liquid media | ST 106 KH

- G3/4 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
- 2 m fixed cable PUR
- Installation in T-piece or welding sleeve
- Needs ATEX certified amplifier with analogue or switching output



G3/4 - sensor length 48 mm - Ex-Zone 1/21 - extended tempe 120° - FEP-cable

TYPE	ST 106 KH
Product ID	P11184
Medium	water, oil
Detection range water	1 cm/s ... 100 cm/s
Detection range Oil	3 cm/s ... 200 cm/s
Process connection	G3/4
Sensor length L	48 mm
Output	output with separate amplifier
Ex area uf use	Zone 1, Zone 21
ATEX Certificate	TÜV 97 ATEX 1218
ATEX marking gas	Ex II 2G Ex eb IIC T6 Gb
ATEX Marking dust	Ex II 2 D Ex ib IIIC T125°C Db
Temperature range in T6	-20 °C ... 40 °C
Temperature range in T5	-20 °C ... 55 °C
Temperature range in T4	-20 °C ... 90 °C
Temperature range in T3	-20 °C ... 120 °C
Temperature range dust-Ex	-20 °C ... 85 °C
Maximum values	Ui = 13.65 V / Ii = 200 mA / Pi = 0.69 W / Ci = 0.45 nF / Li = 1.80 µH

EGE-ELEKTRONIK SPEZIAL-SENSOREN GMBH
TEL. +49 4346 41580 . ege-elektronik.com

Start-up time typ.	8 s(2 s ... 18 s)
Reaction time typ.	2 s(1 s ... 13 s)
Compressive strength	60 bar
Material sensor touched by medium	stainless steel AISI 316 Ti
Material housing	stainless steel AISI 316 Ti
Protection [EN 60529]	IP 67
Electrical connection	2 m FEP-cable 4x0.25 mm²
Accessories (in scope of delivery)	2 x gasket G3/4 AFM 34
Associated amplifiers	SZAb 400 EX-GR, SZAb 400 EX-WR115, SZAb 400 EX-WR230, SZAb 400 EX-GA
Note	probe with longer cable available on request
Technical Image	