

Description

Thread-mounted calorimetric monitoring head for Flow Meter FC01-CC, suitable for general industry applications.

Features

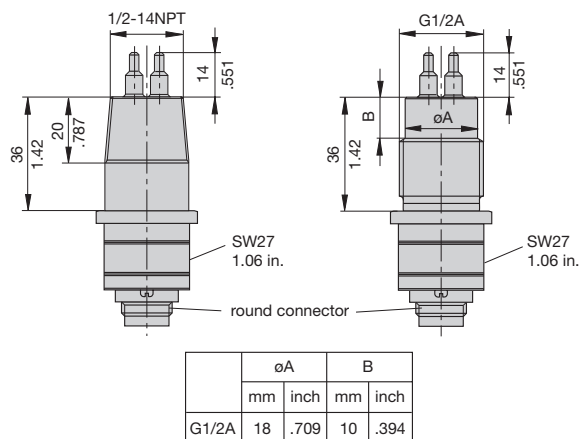
- Suitable for installation in welding bushes
- Medium temperature -40 ... +130 °C/-40 ... +266 °F
- Material: stainless steel 1.4571/AISI 316 Ti or Hastelloy alloy C4 2.4610

Ordering information

Type No.	
CST	Thread-mounted monitoring head with calorimetric sensors
Process connection	
01	thread size G1/2A (FC01-CC-standard)
03	thread size 1/2"-14NPT
Medium	
A	air
W	water
S	other media, e.g. oil (please enquire)
Material of areas exposed to medium	
M1	stainless steel 1.4571/AISI 316 Ti (standard)
M2	nickel-based alloy Hastelloy alloy C4 2.4610
Length of shank/thread	
L10	36 mm (standard)
Electrical connection	
E10	round connector with tinned contacts (plug and cable to order separately)
Certification	
T0	without certificate (standard) *)
Specification of medium	
xxx	
CST - 01 W M1 L10 E10 T0 - ...	ordering example

*) for detailed information please see section 0.

Dimensions



This is a metric design and millimeter dimensions take precedence ($\frac{\text{mm}}{\text{inch}}$)

Thread-mounted calorimetric monitoring head



CST-...

Technical data

Type of head	thread-mounted
Nominal thread dia.	G1/2A, 1/2"NPT
Length of shank	36 mm/1.42 in.
Length of sensor	14 mm/.551 in.
Suitable for	all media, depending on material resistance
Temperature range *)	-40 ... +130 °C/-40 ... +266 °F
(of medium)	
Temperature drift of monitoring head	± < 0.05 %/°K/measuring range (T = +20 ... +80 °C/+68 ... +176 °F)
Measuring ranges	air: 0 ... 20 m/s / 0 ... 65.6 fps water: 0 ... 3 m/s / 0 ... 9.84 fps
Pressure resistance ⁽¹⁾	100 bar/1450 psi
Degree of protection	connector ⁽²⁾ : IP67
Material	stainless steel 1.4571/AISI 316 Ti Hastelloy alloy C4 2.4610
Cable to electronic control unit	LifCY 4x2x0.2 mm ² (AWG 24)

⁽¹⁾ Admissible operating pressure DIN 2401, measured at max. temperature (= max. medium temperature)

⁽²⁾ with mating connector

^{*)} max. +85 °C/+185 °F in the connector area