

Description:

The SMH instrument housing is made of aluminium alloy and has a cylindrical body and a screwed cover with circular port-hole.

Application:

The SMH instrument housing is suitable to contain analogue and digital measurement instruments such as voltmeters, ammeters, speed indicators.

Material:

Body and cover: copper free aluminium alloy.
 Port-hole: thermo-resistant tempered glass.
 Screws: stainless steel.

Certification characteristics:

Type of Protection: II 2GD Ex d IIC / Ex tD A21
 II 2GD Ex e II / Ex tD A21.
 Class of Temperature: T6/T85 °C,
 T5/T100 °C (only Ex e version).
 Protection Degree: IP66 / IP67*.
 Certificate: INERIS 01ATEX0023.
 Ambient Temperature: -50 / +60 °C (-20 / +40 °C).
 Zones: 1 – 21 – 2 – 22.

Threads:

NPT (ANSI B1.20.1).
 Metric x 1.5 (ISO 261).

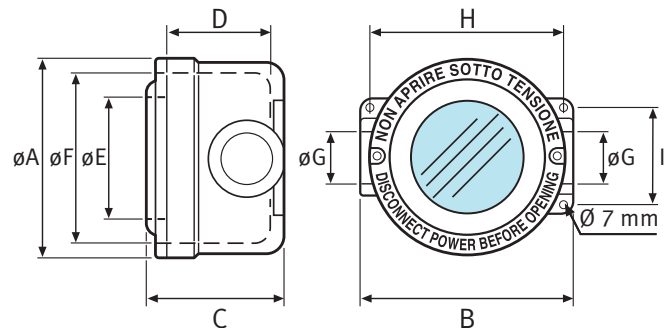
Inhibiting treatments:

External standard epoxy painting RAL 7005.

On request:

Stainless steel version AISI 304 or AISI 316L.
 Support for instrument 72 x 72 (K72).
 Instrument meter.
 Version with extension (SMH-E).
 *IP67 protection with o-ring.
 Other epoxy painting colours different from the standards.
 Special inhibiting treatment.
 Cable glands for armoured or non armoured cable.

Drawing SMH



Legend:

- Ø A - Maximum external diameter.
- B - Maximum external dimension.
- C - Maximum external dimension with cover.
- D - Internal depth.
- Ø E - Port-hole diameter.
- Ø F - Internal diameter.
- Ø G - Cable entry.
- H - Fixing holes wheel base.
- I - Fixing holes wheel base.

Grounding:

Internal and external: M5 grounding point.

SMH - Data Table

Dimensions [mm] and approx. Weight [Kg]

Type	Dimensions						Entries (NPT)	Fixing		Weight
	Ø A	B	C	D	Ø E	Ø F	Ø G	H	I	
SMH	136	150	117	98	79	110	2 x 3/4"	130	65	1,6
SMH-E	136	150	221	202	79	110	2 x 3/4"	130	65	2,3

Note: - dimensions can slightly differ due to casting model tolerances.

Release date 2011-01-24 - Updated 2013-06-03 - A2