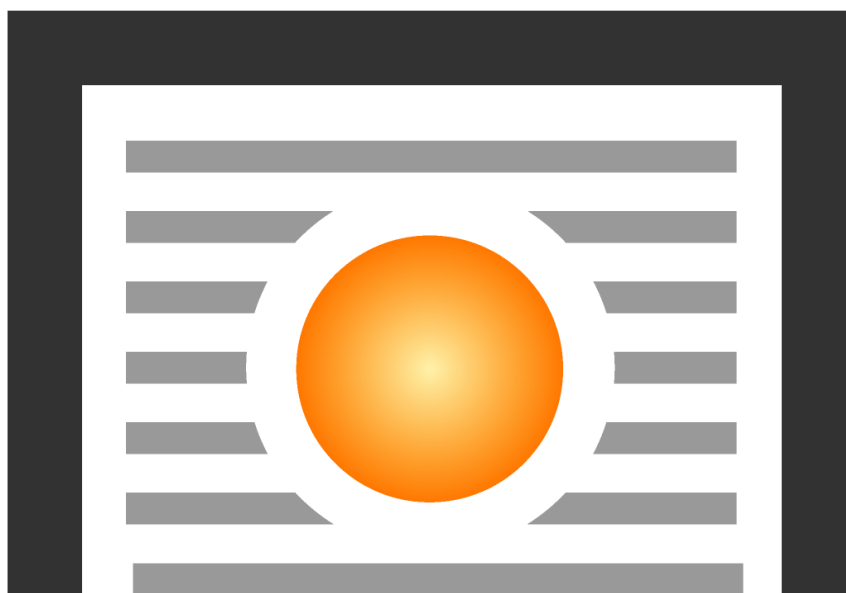


Emission Control Probe Tribo-Check® with Relay



Product Catalogue



SAFE • VENT®

TABLE OF CONTENT

DESCRIPTION	3
STANDARD FEATURES.....	4
OPTION ON REQUEST	4
TECHNICAL FEATURES.....	4



Emission Control Probe Tribo-Check® with Relay

DESCRIPTION

The need to signal in advance possible leakages of the dedusting system avoiding high costs of environmental reclamation and of plants stop-overs brought, since a long time, to the use of electronic equipment dedicated to a better environmental safeguard. With the use of these devices it is possible to signal any failure that can produce dangerous emissions in the atmosphere which are symptom of breakdown in the dedusting plant. Especially, it is possible to control any breaks of the filtering surfaces, broken bags or cartridges.

The use of TC probes allows therefore to identify the dust particles which are present in the gases that go through the filter due to any breaks or failures of the bags or cartridges where the quantities of dusts to remark are considerable 100÷400 mg.

For a correct functioning of the TC probe, the cartridges or the bags must be mounted in a vertical position.

The TC probe is seldom used for the continuous monitoring of the dustiness degree present in the discharge duct of the gases in the atmosphere.

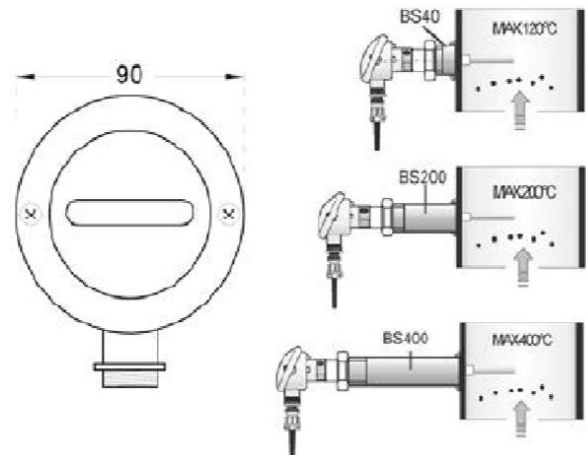
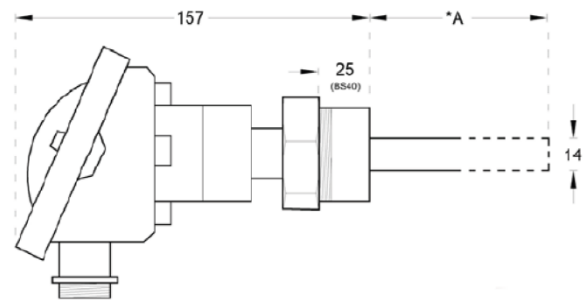
The above-mentioned use entails a more complicated calibration and a deep knowledge of the device.

The TC probe notes the passage of particles which are present in the gases by turning this physical phenomenon into an electric signal proportional to the dustiness degree.

By comparing the signal generated by TC with a threshold set by the rotary switch

located inside the head of the probe (SW 21), it is possible to activate an alarm. A relay output contact is available to manage the alarm.

This contact is open in case of supply voltage not present and dust emission over the set threshold.



STANDARD FEATURES

- ✔ TC standard probe fastening bush
- ✔ Tropicalisation of the Printed Circuit

OPTION ON REQUEST

- ✔ High-sensitivity TC probe
- ✔ GAS temperature 200°C with BS200 (On Request)
- ✔ TC probe with reduced sensitivity
- ✔ TC probe connection cable

TECHNICAL FEATURES

Supply voltage	16 ÷ 24 VDC / 100 mA
Output signal	Relay contact N.O. 1A / 40 V Max
GAS temperature	120°C with BS40 (Standard)
Operating temperature	- 10°C + 50°C
Relative humidity	80 %
Particle Size	$\geq 0.3 \mu\text{m}$
Rod length in mm.	500 (standard)
Other lengths available (*A)	100, 150, 200, 250 mm 300, 350, 400, 450 mm 600, 800, 1000, 1500 mm

