

Test and calibration bag



DESCRIPTION

All **SENSITRON Srl** gas detectors are Factory Calibrated prior to despatch. In order to fulfil the EN60079 –10, detectors have to undergo periodical operational testing, each three to six months according to the plant's risk assessment. Test results are to be recorded into a suitable book to be shown to the Authority in case of inspection.

In environments where polluting elements might alter the original sensor performances periodical testing should be carried out at shorter time intervals.

All tests should be carried out by employing a specific gas mixture, the same employed in our laboratory when calibrating the instrument before despatching.

SENSITRON Srl offers a special calibration gas kit, comprising 2 sample gas cans, a flow indicator, hose and ZM.CAP calibration cap adapter. The ZMCAP is made of stainless

steel and allows testing the detector letting the right gas flow to reach the sensor.

On request, the calibration gas kit can be equipped with portable gas detectors available for different gases and ranges.

As general rules for test and calibration, the gas detector should:

- 1) be tested as per the manufacturer instructions by using recommended tools and service kit;
- 2) be tested immediately after the installation and then periodically verified and recalibrated;
- 3) be regularly inspected to verify a possible malfunctioning, damage or other worsening;
- 4) if used for the detection of many gases, be recalibrated for the gas with the minor sensitivity.

For the **SMART3 CC** detectors, **SENSITRON Srl** has provided a handheld calibration keypad for in situ test and calibration.

Order code composition

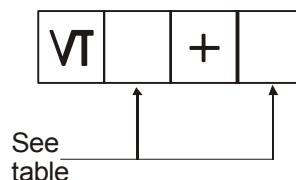


Table available gas cans

Codice	Gas contenuto	Conc.	Codice	Gas contenuto	Conc.
02	METHANE	10% LEL	36	BUTANE	30% LEL
06	METHANE	30% LEL	38	BUTANE	50% LEL
09	METHANE	50% LEL	52	CARBON MONOXIDE	100 ppm
12	HYDROGEN	10% LEL	54	CARBON MONOXIDE	150 ppm
16	HYDROGEN	30% LEL	56	CARBON MONOXIDE	200 ppm
19	HYDROGEN	50% LEL	62	OXYGEN	17% VOL.
22	PROPANE	10% LEL	66	OXYGEN	19% VOL.
26	PROPANE	30% LEL	74	AMMONIA	100 ppm
28	PROPANE	50% LEL	76	AMMONIA	500 ppm
32	BUTANE	10% LEL			

Please beware that disposable gas cans are classified as dangerous goods and their transport is ruled by specific IATA regulation.

Collector and weather protection stainless steel cone for EEx-d and EEx-n gas detector. Further accessories available on request:

CODE	DESCRIPTION		
ZM/TEST/2	Permanent water protection/test adapter (suitable for sensor head type 2, S1097__ S1153__ and S1300__)		
ZM/TEST/3	Permanent water protection/test adapter (suitable for sensor head type 3)	Collector and weather protection cone (SL517/523)	Permanent water protection adapter ZM/TEST/2/3
SL517	Collector and weather protection cone in stainless steel for Explosion proof gas detector (suitable for sensor head type 3).		
SL523	Collector and weather protection cone in stainless steel for Explosion proof gas detector (suitable for sensor head type 2, S1097__ S1153__ and S1300__).	Smart3 handheld calibration keypad (to be order separately)	ZM.CAP calibration adapter

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