



Test Lamp TC-169/1 for 210-series Flame Detectors, non EX

- **Specifications**
- **User Guide**
- **Instructions**



www.sense-ware.com



1. Description

The non EX Sense-WARE TC-169/1 Flame Detector Test Lamp activates 210-series Flame Detectors from Sense-WARE; the UV/IR-210/1, the UV-185/5 and the IR3-109/1. For all models the detection range is 4 meters (13 ft). The TC-169/1 Test Lamp is non EX, suitable for use in safe areas only.

Warning:

The TC-169/1 Test Lamp is only compatible with the 210-series Flame Detectors of Sense-WARE. The Test Lamp is not suitable for Flame Detectors of other brands.

2. Specifications

Test Lamp:	
Test range	up to 4 m (13 ft)
Use	10-15 minutes under optimal conditions and continuous use
Housing; material, dimensions / weight	ABS/PC, 160 x 140 x 260 mm (6.5 x 5.5 x 10 "); 0.65 kg (1.4 lbs)
Ingress protection rating	IP30
Temperature range	+4 to +40 °C (+39 to +104 °F)
Carrying case:	Polypropylene, inlay: Polyurethane
Dimensions / weight	400 x 190 x 310 mm (16 x 8 x 12"); 2 kg (4.5 lbs)
Battery:	Sealed Lead Acid, 12 V / 2.7 Ah
dimensions / weight	103 x 70 x 46 mm (12.5 x 9 x 8.5 "); 1 kg (2.2 lbs)
Charger, (Adapter):	100-240 Vac, 1600 mA switching with pins for US, EU, GB and AU
dimensions / weight	148 x 100 x 45 mm (6 x 2.5 x 2 "); 0.25 kg (0.5 lbs)
Light bulb:	Broad Band, 12 Vdc / 100 W
dimensions / weight	50 x 20 (D) mm (2 x 1(D) "); 0.03 kg (0.07 lbs)
CE declaration:	See website
Country of Origin / Statistic Numbers	The Netherlands, EU (IS): 8531 10 30, USA (HS): 853110 0045

3. Safety instructions

1. Only suitable for Sense-WARE 210-series Flame Detectors: UV/IR-210/1, UV-185/5 and IR3-109/1.
2. The life time of the battery is negatively influenced if you use the Test Lamp continuously longer than 10 minutes and in one go. The Test Lamp will automatically stop working after 30 seconds.
3. The Test Lamp has a protective grate which should not be removed. Warning, after use the grate may be hot. Do not stick objects through the grate.
4. Store the Test Lamp clean and dry. A dirty reflector will reduce the test range.
5. Do not use the Test Lamp in wet conditions.
6. Keep away from children. Do not point directly at eyes from a short distance. Do not look directly into the light.
7. Do not use when damaged. Do not open the lamp, send it back for repair. Contact Sense-WARE for details.
8. Do not throw the unit in a fire. The battery could explode when exposed to intense heat.
9. The sealed lead battery has a lifetime of several years. Please ask your local city official how to dispose the unit.
10. Make sure testing of the Flame Detectors does not activate unwanted alarm signals.
11. Use in safe areas only.
12. Dispose the items in accordance with the WEEE directive.



4. First use

1. Remove the cover of the battery compartment (on the top of the Test Lamp).
2. Take and place the battery back into the battery compartment in such a way that the terminals of the 12 V battery are making contact with the terminals of the lamp. Press the battery sufficiently to enable easy mounting of the cover.
3. Mount the cover of the battery compartment in the original position. Charge the battery (see chapter 6) until the status LED is continuous green.



Remark:

The battery is charged when leaving the factory. However, the battery should be charged immediately after purchase.

5. Operation

Before a test is carried out make sure the Flame Detector is switched on and the alarm outputs are in override. Please avoid unwanted alarm signals as a result of your test. Use in safe areas only.

The test lamp will turn on/off by pressing/releasing the trigger. When pressing the trigger the status LED is continuous green, provided the test lamp battery is fully charged.

1. Point at the Flame Detector within the test distance and on the central axis of the cone of vision of the detector.
2. Press the trigger and wait until the Flame Detector is activated. The Test Lamp will deactivate automatically after 30 seconds. The 210-series Flame Detector should always come into alarm within this time period.
3. Wait at least 30 seconds after each test before performing the next test.

6. Charging

1. Plug in the charger and apply the charger cable to the Test Lamp. During charging the status LED is either steady Yellow or blinking Green.
2. Charge until the status LED is continuous green. When the green LED is steady after about 4 hours the battery is fully charged.
3. The Test Lamp must be fully charged when stored. Every 3 months the unit should be recharged.
4. When the charger is removed after the charging, the status LED is switched off.

7. Battery replacement

1. Remove the cover from the battery compartment.
2. Slide the new battery in the battery compartment. Make sure that the poles are heading in the direction of the terminals of the test lamp.
3. Place the cover of the battery compartment in the original position.
4. Charge the new battery (see chapter 6) until the green LED is continuous green.

Battery specifications:

Battery type	Sealed rechargeable lead acid battery
Battery voltage and capacity	12 Vdc/ 2.7 Ah
Terminal type and -position	Spade / see picture
Dimensions and weight	l x w x h 103 x 70 x 46 mm 1 kg (2.2 lbs)



8. Ordering Information

Part#	Description
TC-169/1	Test Lamp for 210-series Flame Detectors non Ex, with Lamp, Battery and Charger plus Carrying Case, shipping dimensions / weight (box): 440 x 340 x 280 mm (17.5 x 13.5 x 11 "); 5 kg (11 lbs)
BATT4P	Spare battery, shipping dimensions / weight: 225 x 160 x 90 mm (9 x 6.5 x 3.5 "); 1.1 kg (2.4 lbs)
CH4P	Spare charger, shipping dimensions / weight: 225 x 160 x 90 mm (9 x 6.5 x 3.5 "); 0.4 kg (0.9 lbs)
BU4P	Spare light bulb, shipping dimensions / weight: 225 x 160 x 90 mm (9 x 6.5 x 3.5 "); 0.2 kg (0.5 lbs)



Your specialist safety partner

+44 (0114) 2853040 sales@im-m.co.uk www.im-m.co.uk