

DIAGNOSTIC TOOL DT300 (SAMON: 60-130)

Product group: 607 Product number: 708037

DT300 is a unique instrument that is used for checking and calibration of detectors with semi conductive sensors. A recurring concern when calibrating sensors is to know if the air is clean or contaminated. Traditionally, this has been accomplished by applying synthetic air or "zero gas" from a bottle. DT300 features a unique design with an integrated reference sensor that makes it possible to calibrate the relevant sensor without applying gas.



Product information

DT300 is used together with a sensor module, SM300-HFC or SM300-SELF SENSE. The sensor modules (SM300-HFC and SM300-SELF SENSE) are not included in the DT300 and shall be ordered separately. They are consumable parts and should be replaced annually. SM300-HFC is used to test old sensors like HFC SENSOR 0-4000PPM SEN004. SM300-SELF SENSE is used to test new sensors like NEW HFC SENSOR 0-4000PPM SEN027 (SELF SENSE). The reference sensor is plugged into the unit and the LCD display indicates when the sensor is heated and ready to use. The reference value for the gas appears in the LCD display. The value is then used to calibrate offset-value on the relevant detector.

Alphanumeric LCD display shows:

- The integrated reference sensors offset-value
- Offset-value on the tested detector
- System voltage (+5 V)
- C-, B-and A-alarm levels

Features

- For control and calibration of semiconductor detectors.
- For the control and adjustment of alarm levels of monitoring units.
- Integrated reference sensor for measuring the temperature of gas or other contamination in the detector being tested.
- Exchangeable factory "plug-in" reference sensor modules are available for old HFC sensor and new self-sense sensor - filter version.
- Power supply: 4 x AA alkaline (8h) or rechargeable Ni-Mh (10h) batteries.
- LED indicator for battery level.

Benefits

- Allows calibration of the current sensor without introducing calibration gas.
- Enable compliance to EN378:2016 where the leak monitoring system need to be inspected at least once every 12 months to ensure their proper functioning.

Specification

General		Dimensions/Weight	
Invent Hazard Material (IMO/IU) classification	NA	Dimensions	

Documents

[SDoC and MD for IHM](#)

[Instruction Manual for DT300](#)

[Instruction for DT300 Sensor Module Replacement](#)

Related products

Is accessory to

- 708051**
REFRIGERANT LEAK MONITOR KIT 6CH (SAMON MPU & MP-DS IP54)
- 708041**
NEW HFC SENSOR 0-4000PPM SELF SENSE (SAMON: SEN027)
- 708040**
HFC SENSOR 0-4000PPM (SAMON: SEN004)
- 708042**
DETECTOR NEW MP-DS-HFC-4000 (SAMON: 38-420 W/SEN027)
- 708048**
DETECTOR NEW GSR230-HFC-4000 (SAMON: 37-925 W/SEN027)

- 708049**
DETECTOR NEW GR24-HFC-4000 (SAMON: 37-620 W/SEN027)
- 708050**
DETECTOR NEW GR230-HFC-4000 (SAMON: 37-625 W/SEN027)
- 708043**
DETECTOR NEW GS24-HFC-4000-ZM (SAMON: 37-420-ZMW/SEN027)
- 708044**
DETECTOR NEW GS230-HFC-4000-ZM (SAMON: 37-425-ZMW/SEN027)

Spares

- 708038**
SENSOR MODULE FOR DT300 - SM300-HFC (SAMON: 60-134)
- 708039**
SENSOR MODULE FOR DT300 - SM300-SELF SENSE (SAMON: 60-150)