



Warning: Before installation, commissioning, and operation, ensure that the Gas Density Sensor is suitable for the application in terms of measuring range, design and environmental conditions. Non-observance can result in serious injury and/or damage to equipment. The installation may only be carried out by appropriately trained personnel.

Intended use: This instrument measures the density of gases, in particular of insulation gases in high voltage equipment. In addition, it provides a temperature indication measured inside the device. The instrument has been designed and built solely for the intended use described here and may only be used accordingly. If the equipment is used in a different manner, the protection provided by the equipment may be impaired and Trafag shall not be liable for any claims at all.

The device is designed to be used in an industrial, electromagnetic environment in accordance with: IEC 61326-2-3 / IEC 61326-1 / IEC 61000-6-2 / IEC 61000-6-3

Datasheet H72519



www.trafag.com/H72519

Manual H73519



www.trafag.com/H73519

Software instructions H73622



www.trafag.com/H73622

Type label description

Type code (for all inquiries, please indicate this number)

Serial number (for all inquiries, please indicate this number)

Gas / gas mixture for which the instrument is calibrated

Measuring range

Operating temperature range

Maximum applicable pressure

Output signal and connector pin assignment

Modbus factory settings and firmware variant code

Manufacturing date (WW/YY)



Density Sensor RS485/Modbus (RTU)



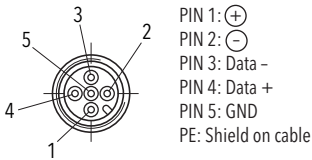
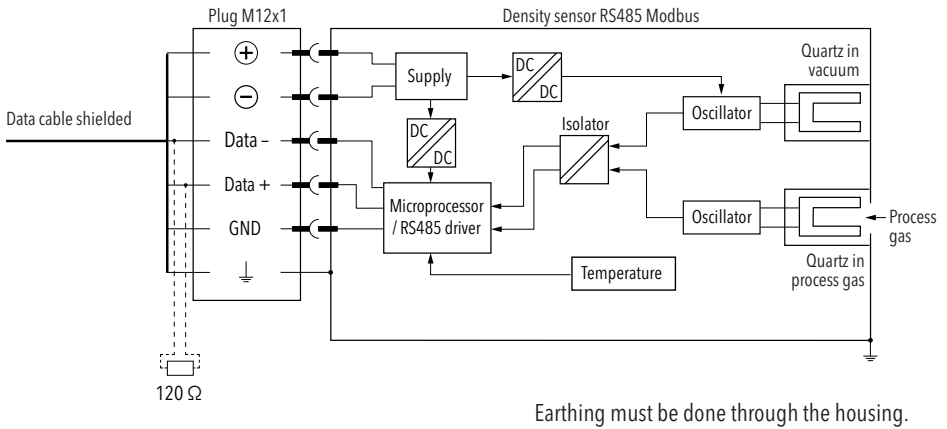
Type 8775.XX.XXXX.XX	
S/N 11111111-001	XX/XX
SF ₆ : 100 %	
Density: 0...30 kg/m ³	
Operating temp.: -40...+80 °C	
Overpressure limit: 1600 kPa abs	
U _s + 11...30 VDC (1)	RS485 Data+ (4)
U _s - (2)	RS485 GND (5)
RS485 Data- (3)	PE: Shield on cable
Firmware: C-001	Baudrate: 19200
Server ID: 1	Parity: even




Country of origin: Switzerland
Part No.: 111111111111

Connection of the device

Wiring diagram



Initial response time after installation

Transient response time required for signal output to reach accuracy tolerance band:

- Less than 1 h after connecting monitor to pressurised compartment
- Less than 1 min. when monitor is vacuumised together with compartment before gas filling

Mounting torque

Maximum mounting torque for pressure connection: 25 Nm