CO SENSOR WITH 4-20 mA OUTPUT

2E500T

Features & Benefits

- TÜV approval according to VDI 2053 systems
- Signal 4 – 20 mA standard interface
- Pre-calibrated on 0 – 300 ppm CO in air allowing direct integration with system
- Two wire cabling reduces installation costs
- Signal testable at pins on p.c.b allowing one man testing and calibration
- Automatic zero adjustment meaning reduced maintenance effort
- Accessories: fixing ring, sinter metal disc and sensor holder allow easy assembly with wall mounting boxes.
- Test gas cap suitable for applying test gas

SPECIFICATION

Detection principle: Electrochemical
Operation: continuous
Gas entry: by diffusion
Measuring range: 0 – 300 ppm CO in air
Reproducibility: < 3ppm
Response time t90: < 60 sec
Cross sensitivity: < 2% on 300 ppm CO according VDI 2053
Linearity: < 2% on 300 ppm CO according VDI 2053
Temperature range: -10°C to +40°C
Humidity range: 15 - 95% relative humidity
Power supply: 20 – 28 V d.c.
Signal: 4 – 20 mA, max. load 300W
Zero adjustment: automatic
Sensitivity adjustment: via potentiometer
R.F.I. : according EN 50 081-1 resp. EN 50 082-2 B
Storage temperature: 0 – 20 °C
Mechanical design: CO Sensor plugged onto p.c.b. terminals on p.c.p, vertically or horizontally pluggable
Dimensions: 21 mm Æ, 30 nun high incl. terminals
Weight complete: approx. 10g
Sensor housing material: Noryl 110
Accessories:
Fixing ring suitable for assembling into wall mounting box
Sinter metal disc to be fitted between fixing ring and sensor holder
Test gas cap to fit onto fixing ring
Sensor holder with O-ring for ECO-Sure
Test gas cap suitable for applying test gas

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