

Gas sampling fitting with L-probe for oxygen measurement with thermoelement

Type: MF 060.90.200



Special Features:

- Oxygen measurement in gas atmospheres
- simple gas sampling
- Inexpensive
- Reliable
- Insensitive to temperature
- Insensitive to vibration
- Easily replaceable
- Fitting adapted to customers needs

General features of the probe:

The probe measures the residual oxygen content in a measuring chamber at the end of the measuring gas fitting. The probe signal can be tapped off as a voltage. The probe is heated with a constant voltage. For heating and supplying only power supply approved by MESA may be used.

The quantity of gas passing the probe should be within a range of 20...50 l/h. Too much gas volume can change the highly constant probe temperature, which results in a falsification of the measured value. Every probe includes two constants (K1 and K2). These constants must be entered in the measuring instruments (e.g. intelligent measuring transmitter Carbo48, Carbomat-M, MCON Carbo), if not there will be some measuring faults.

Technical Data

Dimension of sensing head:
105 x 290 x 45 mm (B x H x D)

Rated length: 400...1200mm

Connection L-probe:
Snap closure

Necessary additional parts:
NTV44P for heating the L-probe and controlling temperature.

Measuring range:
0...1300 mV