



Gas sampling fitting with L-probe for oxygen measurement*

Besonderheiten:

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

Function:

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 supplying the heating only power supply units 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 **Carbo 15/ 47, Carbo 100, Carbo 1000, Carbo-M, Carbomat-M**).

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* covered by a patent

MESA Group – Mature Solutions

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Technical Data:

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

Rated length:
500...1100 mm

Connection L-probe:
snap closure

Necessary additional parts:
NT-R44 for heating the L-probe and controlling
temperature.

Measuring range:
0...1300 mV

All specifications subject to change without prior
notice.

Needed Accessories:

- NTV44G
- VE 02

Optional Accessories:

- Thermocouple for %C-
calculation
- Pump with condensing
trap
- Carbo 15/ 47
- Carbo 100
- Carbo 1000
- Carbomat-M
- Carbo-M



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