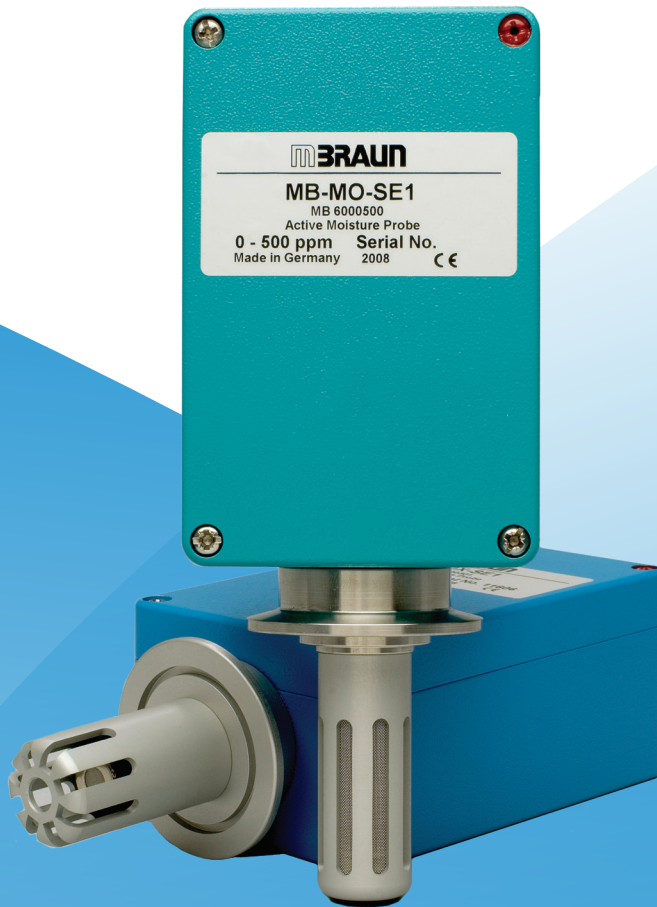


— *turning ideas into solutions*

mBRAUN

MB MO-SE1

MOISTURE ANALYZER



- Moisture probe with integrated electronics 0 - 500 ppm
- 0 - 10 V analog output
- Ultra high sensitivity

INERTGAS TECHNOLOGY

www.mbraun.com

The Moisture probe MB MO-SE-1© serves to monitor the amount of residual Moisture in Nitrogen, Argon or Helium in inert gas systems ex. gloveboxes. The probe can be operated with PLC-systems, which are integrated in MBRAUN systems as standard equipment, or with MB SSD-DIS© monitors, which are available separately.

The Moisture probe comprises of a sensor along with special electronics. The sensor-head is protected from external mechanical effects by means of a sturdy screw cap and consists of 2 parallel Platinum windings which are coated with Phosphoric Acid, and a PT 1000 temperature sensor.

The sensor leads pass through a vacuum-sealed feedthrough to the measuring electronics which are directly attached to a DN 40 KF assembling flange in a leak tight and screw-fitted housing. The electronics are supplied with 24 VDC and deliver a 0 - 10 V signal in proportion to the concentration of H₂O.



MBRAUN offers recalibration services at our facility!

MB MO-SE1 Technical Data:

Dimensions	Length 205 mm, width 80 mm, depth 60 mm
Sensor Dimensions	Length 64 mm, diameter 22 mm
Flange	DN 40 KF
Supply Voltage	24 V DC ± 10 %
Weight	0.7 kg
Plug	RJ45, 8 pins (ethernet-like plug)
Operating Temperature	+ 15°C to + 27°C (ambient)
Pressure	800 - 1200 hPa (absolute pressure)
Diff. Pressure	Max. ± 100 hPa (between sensor and electronic)
Effective Range	0 to 500 ppm(v) Moisture
Sensitivity	20 mV/ppm(v)
Response Time	Approx. 120 sec. (0-90 %)
Accuracy	High precision range (0..10 ppm): +/- (5 % of displayed value + 1ppm) Wide range (10 ... 100 ppm) +/- 20 % of displayed value
Drift (10 ppm(v))	< 10 %/year

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