

MSI EM200-E Diesel Exhaust Gas Tester

The MSI EM200-E is an electronically multiple channel measuring instrument. It allows exact measurements of undiluted Diesel engine exhaust gases in underground mines. To save people and engines, a quick and easy testing of carbon monoxide and oxides of nitrogen is a must.



ST-6813-2005

Characteristics

- Integrated pump for fast response
- Data memory for generating comprehensive proofs
- Data transfer to PC in real-time
- Integrated infrared transmitter
- Gas conditioner, shock-resistant
- Large illuminated display
- Simultaneous reading of gas constituents to be measured
- Removal of water from sample gas
- Filtration to remove diesel particulates
- Early warning when calibration is due
- Extremely shock-resistant and shock-proof by fixation of components in the inner body out of EPP-foam
- Magnetic plate

Measurements

- Carbon monoxide, CO
- Oxides of nitrogen, NO_x
- Nitrogen monoxide, NO
- Nitrogen dioxide, NO₂
- Internal absolute pressure sensor for compensating pressure influences

Sequenced test conditions

- Idle
 - High idle
 - Load (T/C stall)
- With input of rpm

Applications

The MSI EM200-e is adequate for following applications:

- Testing of Diesel engines in underground mines
- Engine combustion optimisation for less emissions
- Spot checking of emission points
- Troubleshooting



ST-20002E-2009

MSI EM200-E:

Allows exact measurements of Diesel engine exhaust gases in underground mines.

TECHNICAL DATA

Display	LC-display, graphic, backlit, manually adjustable
Interface	USB for PC-interface, infrared for printer, multifunction connector for additional equipment
Operating temperature	+ 5 °C up to 40 °C
Storage temperature	- 20 °C up to 50 °C
Electric power supply	Internal NiMH battery, 4.8 V 2,000 mAh, display of battery charge condition, charger
Gas extraction	Membrane pump for gas probe
Gas processing	Integrated gas conditioning cartridge with condensate trap and particle filters
Weight	1,100 g
Dimensions	165 mm x 195 mm x 75 mm (H x W x D)

Display	Principle	Range	Resolution	Accuracy
CO, carbon monoxide	El.chem. sensor	0 up to 2,000 ppm	1 ppm	± 3 % of mr*
NO _x , oxides of nitrogen		0 up to 2,000 ppm	1 ppm	± 3 % of mr*
NO, nitrogen monoxide	El.chem. sensor			
NO ₂ , nitrogen dioxide	El.chem. sensor			
Air pressure	Piezo-resistance	800...1,700 hPa	1 hPa	

mr* = measuring range

ORDER INFORMATION

See price list

Dräger

MSI Measurement · Safety · Information



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Further information to our partners and service-contacts are available at the homepage www.draeger-msi.de under „service“ and „contact“.

Are you interested in flue gas analysis?

The MSI EM200 is extremely versatile in application for industrial processes. The measuring instrument is available in different versions. Get informed!