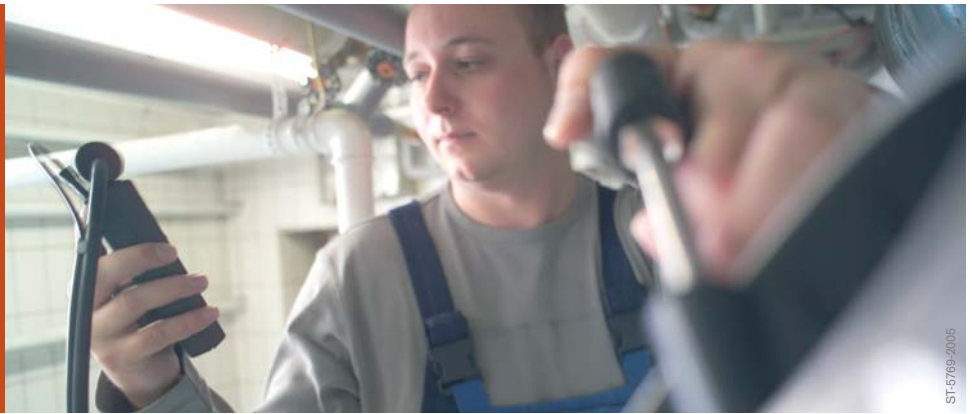


Dräger MSI Eta Spot Checking of Emission Points



ST-5769-2005

Dräger MSI Eta is a hand-held analyser for determination of the burner efficiency in real-time at an extraordinary attractive price.



ST-6638-2005

Dräger MSI Eta:
Simply good.

Check and control

The EU guideline 93/76/EWG (Limitation of CO₂ emissions by higher efficiency in the use of energy) requires that the EU members realise programmes, which lead to a decrease in the emission of CO₂ by using the energy more efficiently. Among other things it is requested to check furnaces above 15 kW in order to improve their energy consumption, i.e. increase their efficiency.

Spot check

For non-authorized measurements the traditional chemical indicators are used in some occasions. Quicker, more reliable and more economical is the use of electronic instruments.

Sensor

Sensor TÜV (German Technical Surveillance Association) approved according to a suitability test for the determination of O₂ /CO₂ content. (TÜV Report No.BI 317 S)

Function

On selection of the fuel (oil / gas) the oxygen value, flue gas temperature and ambient air temperature will be measured. Afterwards the instrument calculates the combustion efficiency and the CO₂ content of the flue gas, based on the measured values. Besides the flue gas temperature the carbon dioxide value as well as the combustion efficiency are displayed.

Operation

- Put probe into place and switch on
- Gas pump starts
- Display shows preset fuel type (oil)
- Change the fuel type (gas / oil) by pressing the function key
- Instrument switches to flue gas temperature display
- Press function key to display carbon dioxide
- Press function key again to display the combustion efficiency
- Press function key for approx. 3 sec. to switch instrument off

Reading

Continuous displaying of CO₂, combustion efficiency and flue gas temperature on oil and gas fired units in real-time.

TECHNICAL DATA

Display	LCD; 4-characters
Ambient temperature	+ 5 °C to + 40 °C
Storing temperature	- 20 °C to + 50 °C
Battery	9 V battery (alkaline)
Gas conditioning	Cartridge with filter fleece, drying pearls and particle filter disk
Dimensions	180 x 80 x 45 mm (H x W x D)
Weight	370 g incl. battery, gas conditioner and probe

Function	Sensor type	Range	Resolution
T-air	PTC		
T-gas	Thermocouple	0 to 600 °C	1 °C
O ₂	El. chem. Sensor		
CO ₂	Calculated	0 to 15.4 Vol.%	0.1 Vol.%
Efficiency	Calculated	0 to 199 %	0.1 %

ORDER INFORMATION

Dräger MSI Eta, incl. gas probe, length 150 mm, for gas and temperature measurement, 2 m hose, mounting cone and gas conditioner with drying pearls, filter fleece and filter disk.	56 00 540
Accessories	
Leather case with magnetic holder	56 00 577
Protection bag	56 00 164
Consumables and spare parts	
Disk filter for cartridge plug, PU = 10 pcs.	56 00 093
Filter fleece for gas conditioner, PU = 10 pcs.	56 30 250
Drying pearls, orange, 35 g refill	56 00 519



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