

## Dräger MSI Variox-2 Combustion Gas Analysis

Single gas analyzer in seven versions: The Dräger MSI VARIOx-2 is a complete family of electronic single gas analysis devices for measuring gas concentrations in flue gas from combustion and industrial processes.



## Benefits

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### Various versions for use in different fields

Seven different versions of the Dräger MSI VARIOx-2 can measure concentrations of O<sub>2</sub>, CO<sub>2</sub>, CO, NO, NO<sub>2</sub> and SO<sub>2</sub>. All versions are equipped with an integrated pump, which draws a sample gas into an extraction probe, through a gas conditioning cartridge, and onto an electrochemical sensor.

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### Typical measurement applications

- CO<sub>2</sub> from auxiliary heaters and boilers
- CO from forklift trucks
- CO from boilers
- O<sub>2</sub>, CO, NO, NO<sub>2</sub> and SO<sub>2</sub> in industrial emissions

Typical applications: Combustion optimization for fuel savings, testing of limits, spot checking of emissions, troubleshooting

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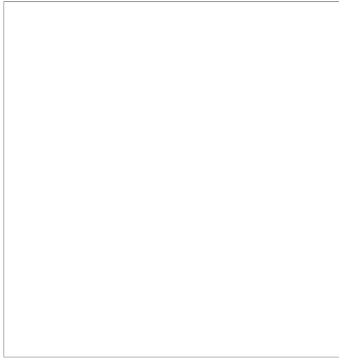
### Special functions

- Over-range protection
- O<sub>2</sub> sensor with average sensor life of 5 years
- Battery monitoring
- Charge control
- Auto-off function

### VARIOx-2 CO<sub>2</sub>:

- Measurement via air compression (O<sub>2</sub> measurement), for combustion plants powered by oil, petrol, gas or liquid gas.

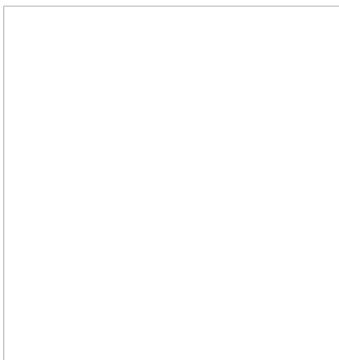
## Accessories



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### Gas probe, 150 mm

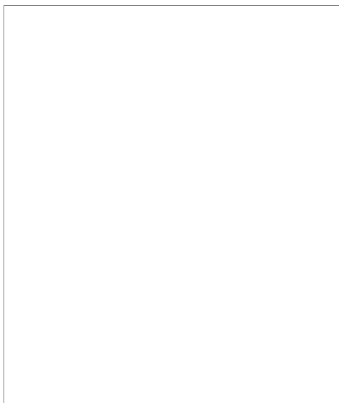
Copper Part number: 56 00 291



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### Gas probe

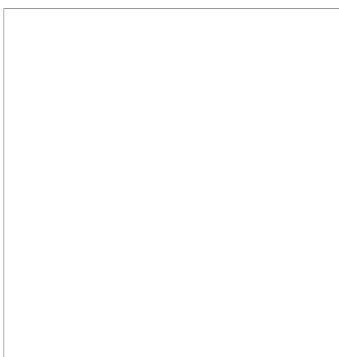
Part number: 56 00 608



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### Additional accessories

- Plug-in charger 230V  
Part number: 56 00 747
- Universal plug-in charger 100-230V  
Part number: 56 00 753
- Magnetic rubber set for Variox  
Part number: 56 00 752
- MSI IR3 printer with infrared data transfer  
Part number: 56 00 401
- PC-specific cable  
Part number: 56 00 755

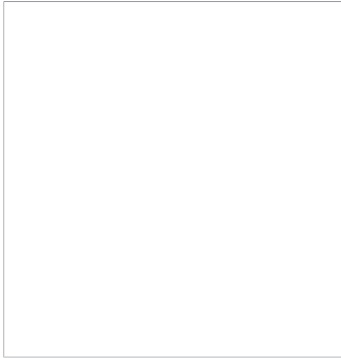


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### Probe for auxiliary heaters

PTFE Part number: 56 00 518

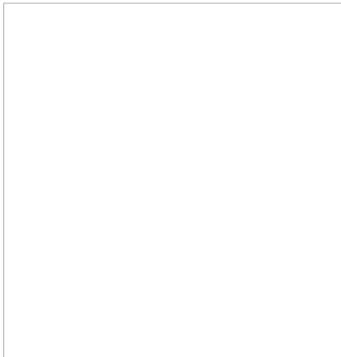
## Accessories



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### Cone for 56 00 608

Part number: 56 30 131



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### Consumables

- Filter disc  
Part number: 56 00 093
- Filter fleece for gas conditioning cartridge  
Part number: 56 30 250
- Desiccant beads  
Part number: 56 00 519

## Technical Data

Measuring range	Dräger MSI VARIOx-2 O <sub>2</sub>	0 to 21 Vol.%
	Dräger MSI VARIOx-2 CO <sub>2</sub>	0 to 21 Vol.% (calculated)
	Dräger MSI VARIOx-2 CO	0 to 4,000 ppm
	Dräger MSI VARIOx-2 CO+	0 to 2 Vol.%
	Dräger MSI VARIOx-2 NO	0 to 2,000 ppm
	Dräger MSI VARIOx-2 NO <sub>2</sub>	0 to 200 ppm
	Dräger MSI VARIOx-2 SO <sub>2</sub>	0 to 2,000 ppm
	Measuring principle	Electrochemical sensor for real-time measurement
Display	Liquid crystal display, numeric	
Gas sampling	Internal membrane pump for continuous gas sampling	
Gas conditioning	Position-free condensate collection cartridge with particle filter	
Dimensions	160 x 80 x 40 mm (H x W x D) without gas conditioner	
Weight	Approx. 300 g with battery and gas conditioner	
Power supply	NI-MH rechargeable battery (approx. 8 h operation time)	

## Ordering Information

Dräger MSI VARIOx-2 O <sub>2</sub>	56 00 739
Dräger MSI VARIOx-2 CO <sub>2</sub>	56 00 741
Dräger MSI VARIOx-2 CO	56 00 742
Dräger MSI VARIOx-2 CO+	56 00 743
Dräger MSI VARIOx-2 NO	56 00 746
Dräger MSI VARIOx-2 NO <sub>2</sub>	56 00 744
Dräger MSI VARIOx-2 SO <sub>2</sub>	56 00 745
Gas probe, Al, 0.7 m hose, c/w mounting cone (up to 200 °C)	56 00 291
Gas probe, CU, 0.7 m hose, c/w mounting clip (up to 250 °C)	56 00 613
Gas probe, Teflon, 0.7 m hose, c/w mounting clip (up to 200 °C)	56 00 518
Gas probe, stainless steel, 0.7 m hose (up to 600 °C)	56 00 608
Mounting cone, stainless steel, for 56 00 608	56 30 131
Plug-in charger 230 V > 7,5 V, 300 mA	56 00 747

## Notes

### CORPORATE HEADQUARTERS

Drägerwerk AG & Co. KGaA  
Moislinger Allee 53–55  
23558 Lübeck, Germany  
[www.draeger.com](http://www.draeger.com)

### Manufacturer:

Dräger Safety AG & Co. KGaA  
Revalstraße 1  
23560 Lübeck, Germany

### REGION EUROPE CENTRAL AND EUROPE NORTH

Dräger Safety AG & Co. KGaA  
Revalstraße 1  
23560 Lübeck, Germany  
Tel +49 451 882 0  
Fax +49 451 882 2080  
[info@draeger.com](mailto:info@draeger.com)

### REGION EUROPE SOUTH

Dräger Safety France SAS  
25, rue Georges Besse  
92182 Antony Cedex  
Tel +33 1 46 11 56 00  
Fax +33 1 40 96 97 20  
[europe.south@draeger.com](mailto:europe.south@draeger.com)

### REGION MIDDLE EAST, AFRICA

Dräger Safety AG & Co. KGaA  
Branch Office  
P.O. Box 505108  
Dubai, United Arab Emirates  
Tel +971 4 4294 600  
Fax +971 4 4294 699  
[contactuae@draeger.com](mailto:contactuae@draeger.com)

### REGION ASIA PACIFIC

Draeger Safety Asia Pte Ltd  
25 International Business Park  
#04-20/21 German Centre  
Singapore 609916  
Tel +65 6308 9400  
Fax +65 6308 9401  
[asia.pacific@draeger.com](mailto:asia.pacific@draeger.com)

### REGION CENTRAL AND SOUTH AMERICA

Dräger Panama S. de R.L.  
Complejo Business Park,  
V tower, 10th floor  
Panama City  
Tel +507 377 9100  
Fax +507 377 9130  
[contactcsa@draeger.com](mailto:contactcsa@draeger.com)

Locate your Regional  
Sales Representative at:  
[www.draeger.com/contact](http://www.draeger.com/contact)

