



## Dräger VARIOx-2 Elektronisches Messgerät zur Gaskonzentrationsmessung

The Dräger VARIOx-2 is used to test and adjust furnaces and auxiliary heating. Optimising combustion to save energy and short-term emission measurement are just as possible as checking limits.



## Product advantages

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### **Ergonomic design**

The handy design makes the Dräger VARIOx-2 light and comfortable.

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### **Long sensor life**

The long sensor life makes the VARIOx-2 particularly cost-effective.

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### **Determining gas concentrations**

Determines gas concentration quickly and accurately. In addition to check measurements in combustion plants, optimising combustion to save energy and short-term emission measurement, it can also troubleshoot or check limits.

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### **Documentation**

Measurements can be output on site via IR printer. The VARIOx-2 further features a PC interface for online data upload.

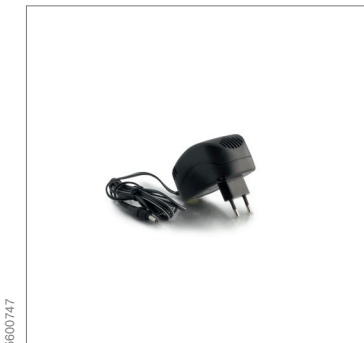
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### **Different versions available for specific applications**

We offer different versions for a variety of applications:

- Dräger VARIOx-2 O<sub>2</sub>
- Dräger VARIOx-2 CO<sub>2</sub>
- Dräger VARIOx-2 CO
- Dräger VARIOx-2 CO+
- Dräger VARIOx-2 NO
- Dräger VARIOx-2 NO<sub>2</sub>
- Dräger VARIOx-2 SO<sub>2</sub>

## Accessory



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**Plug-in charger, 100 V - 240 V**



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**Plug-in charger, 100 V - 240 V**

International



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**Gas probe Al**

Incl. mounting cone, 0.7 m hose (up to 200 °C)



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**Gas probe stainless steel**

Up to 600 °C, 0.7 m hose

## Accessory



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### Gas probe for auxiliary heatings

Copper, up to 250 °C, 0.7 m hose, incl. clip



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### Special PC-cable



5600401

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### MSI IR3 Infrared printer

For immediate documentation of all values and results



5600807

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### Equipment case

Plastic, black

## Accessory



5600401

### Drying pearls refill

Approx. 35 g

## Related product groups



5603061

### Dräger FG4200

The flue gas measuring device is particularly handy and compact and weighs only 258 g. Suitable for service and maintenance work, it features a high-quality colour touch screen.



5600740

### Dräger EM200

For measuring oxygen, carbon monoxide, combustion air temperature, flue gas temperature, micro-draft, fine draft and differential pressure. Additional equipment can be connected to the multifunction jack. The device can optionally be equipped with NO measuring channel, etc.



5600822

### Dräger EM200plus

For measuring oxygen, carbon monoxide, combustion air temperature, exhaust fume temperature, micro-draft, fine draft and differential pressure. A colour touch screen, built-in help function and extensive measurement and customer data manager complete this versatile product.

## Technical Data

Display	LC display, 4-digit
Interface	RS232 for PC connection, infrared for printer
Power supply	Rechargeable battery: NiMH, 1.2 V / 2,000 mAh; power adapter: 7.5 V DC / 0.5 A
Operating time	~ 8 h
Gas extraction	Membrane pump for transporting flue gas
Gas conditioning	Flexible position gas conditioning cartridge with condensate collector and particle filter
Operating temperature	+ 5 °C up to + 40 °C
Storage temperature	- 20 °C up to + 50 °C
Air pressure	800 ... 1,100 hPa
Humidity	10 - 90 % RH non-condensating
Dimensions	approx. 80 x 160 x 40 mm (hwxwd)
Weight	approx. 300 g

Device Type	Principle of measurement	Measuring Range	Resolution	Accuracy
VARIOx-2 O <sub>2</sub>	El.-chem. sensor	0 ... 21 Vol. %	0.1 Vol. %	0 ... 21 Vol. %: ± 0.3 Vol. %
VARIOx-2 CO <sub>2</sub>	El.-chem. sensor	0 ... 21 Vol. % calculated	0.1 Vol. %	0 ... 21 Vol. %: ± 0.3 Vol. %
VARIOx-2 CO	El.-chem. sensor	0 ... 4,000 ppm	1 ppm	0 ... 200 ppm: ± 10 ppm or 10 % of MV <sup>1</sup> 200 ... 2,000 ppm: ± 20 ppm or 5 % of MV <sup>1</sup> 2,000 ... 4,000 ppm: ± 100 ppm or 10 % of MV <sup>1</sup>
VARIOx-2 CO+	El.-chem. sensor	0 ... 2,000 Vol. %	0.001 Vol. %	0 ... 2,000 Vol. %: 0.5 % of MR <sup>2</sup> or 5 % of MV <sup>1</sup>
VARIOx-2 NO	El.-chem. sensor	0 ... 2,000 ppm	1 ppm	0 ... 600 ppm: ± 10 ppm or 5 % of MV <sup>1</sup>
VARIOx-2 NO <sub>2</sub>	El.-chem. sensor	0 ... 200 ppm	1 ppm	0 ... 100 ppm: ± 5 ppm or 5 % of MV <sup>1</sup>
VARIOx-2 SO <sub>2</sub>	El.-chem. sensor	0 ... 3,000 ppm	1 ppm	0 ... 500 ppm: ± 10 ppm or 5 % of MV <sup>1</sup>

<sup>1</sup>MV = Measuring Value

<sup>2</sup>MR = Measuring Range

## Order information

Accessory	
MSI IR3 Infrared Printer	56 00 401
Printer paper, packing unit 6 rolls	56 90 151
Measuring kits/base units	
Measuring kit Dräger VARIOx-2 CO <sub>2</sub>	56 03 019
Incl. VARIOx-2 CO <sub>2</sub> , plug-in charger, equipment case, gas probe for auxiliary heatings (copper)	
Measuring kit Dräger VARIOx-2 CO <sub>2</sub>	56 00 751
Incl. VARIOx-2 CO <sub>2</sub> , plug-in charger, gas probe for auxiliary heatings (copper), drying pearls, consumable-set 2	