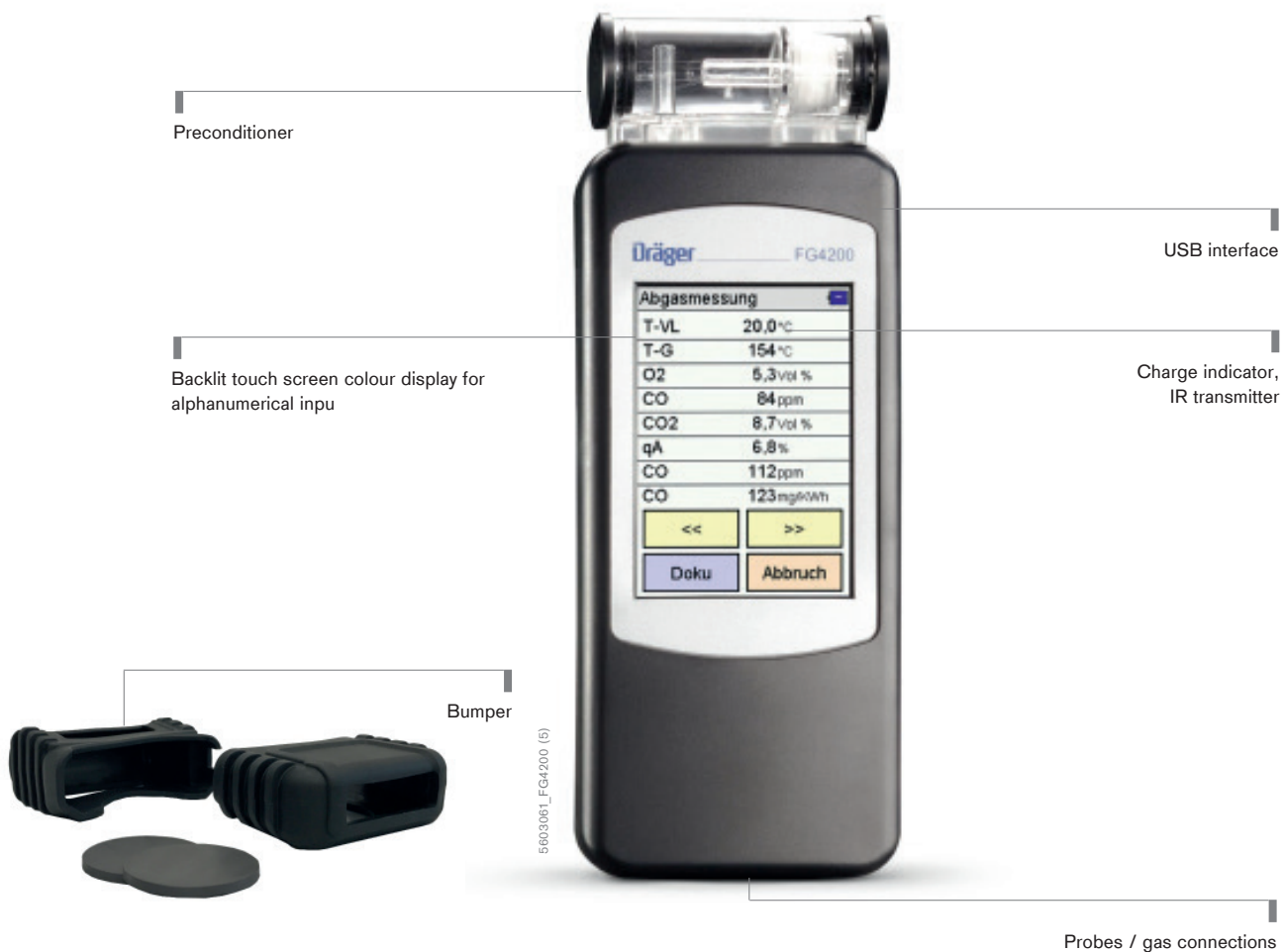




## Dräger FG4200 Flue gas analyser for service and maintenance work

Here you will find XXL performance in a handy, compact size with a light weight of only 258 g. The proven Dräger measurement precision and intuitive handling make the Dräger FG4200 the ideal companion.



## Product advantages

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### **XXL performance in XS size**

The Dräger FG4200 is considerably more compact and one of the smallest and lightest flue gas analysers on the market.

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### **Service and maintenance work**

Everything an analyser should offer according to general requirements, the Dräger FG4200 has in store. The flue gas analyser offers various applications required for service and maintenance of small and medium oil and gas furnaces.

Flue gas, temperature and pressure measurements capture all the key parameters of the combustion plant. The device can optionally be equipped with Bluetooth file transfer.

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### **Intuitive control coupled with maximum measuring convenience**

Every function is better thought-out, every step even more efficient. It's the details that set the Dräger FG4200 apart.

A premium colour touch screen making it even quicker and easier to use.

The loaded operating instructions for any Dräger FG4200 application. And let's not forget the professional documentation options made so simple with the Dräger PC software.

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### **High resolution colour touch screen**

The Dräger FG4200 is operated via touch screen display. Tap or swipe the screen with your finger or a stylus. Menus and lists can be moved up and down e.g. by swiping up/down (scrolling).

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### **Integrated operating instructions**

The built-in operating instructions provide answers to questions concerning the device's operation, these come in the form of instructions, suggested solutions and additional information.

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### **Practical equipment bag**

The equipment bag stores all accessories for the Dräger FG4200. The bag is extremely light and handy, yet very robust and suitable for everyday work.

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### **Professional documentation options**

Whether it's import and export functions, customer, system or inspector management – the Dräger PC software features everything required for professional documentation. Saved data can easily be transferred from the Dräger FG4200 to the PC measurement and customer data manager. For a proprietary image, the company logo and company address can be added to every measurement report. For on the spot documentation, measurements are output directly via IR printer.

If you want to get better and quicker measurements, simply use the app Dräger mCon\*. Import or create new customer data, measure and establish the connection to the Dräger measuring device via Bluetooth (option). The measurement results can be sent directly to the office or to the customer via app and the smartphone/tablet as a PDF file or measurement report. The app Dräger mCon offers all this and much more.

\*App Dräger mCon on request.

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### **Bumper for more reliability**

The FG4200 is fully protected by the bumper set.

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## Accessory

5600890



**Gas probe**

brennerdruckschlauch-mit-bajonettanschluss-prph-5610901



**Gas pressure hose with bayonet connector**

5600401



**MSI IR3 Infrared printer**

For immediate documentation of all values and results

5600907



**Consumables set**

Incl. 10 filter fleeces and 5 filter discs

## Related product groups



1g7500-prph-5603105

### Dräger FG7500

For measuring oxygen, carbon monoxide, nitrogen oxides, combustion air temperature, exhaust gas temperature, draft and differential pressure or for carrying out the BImSchV measurement. The capacitive color touchscreen enables effective use. As with smartphones, scroll lists, buttons, icons and windows are conveniently controlled with tapping and swiping gestures.



5600022

### Dräger EM200plus

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



5600739

### Dräger VARIOx-2

In addition to adjustment tasks, the single-channel device can optimise combustion for energy conservation or short-term emission measurement. It reviews limits and is suitable for process analysis.

## Technical Data

Approval	DIN EN 50379 part 1 and 3
Display	Colour touch screen
Interface	USB for PC connection, infrared for printer
Power supply	Rechargeable battery: Li-Ion, 3.6 V / 1,500 mAh; power adapter: 5 V DC / 1 A
Operating time	Up to 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 ... + 40 °C
Storage temperature	- 20 °C ... + 50 °C
Air pressure	800 ... 1,100 hPa
Humidity	10-90 % RH non-condensating
Dimensions	75 x 200 x 27 mm (hwxwd)
Weight	Approx. 256 g with bumper

Display	Principle of measurement	Measuring range	Resolution	Accuracy
Combustion air temperature	Thermocouple	- 10 ... + 100 °C	0.1 °C	0 °C ... 100 °C: ± 1 °C
Temperature flue gas	Thermocouple	0 ... + 650 °C	0.1 °C (<100°C) 1 °C (≥100°C)	0 °C ... 400 °C: ± 2 °C or 1.5 % of MV <sup>3</sup>
O <sub>2</sub> , oxygen	El.-chem. sensor	0 ... 25 Vol. %	0.1 Vol. %	0 ... 21 Vol. %: ± 0.3 Vol. %
CO, carbon monoxide	El.-chem. sensor	0 ... 8,000 ppm	1 ppm	0 ... 2,000 ppm: ± 20 ppm or 5 % of MV <sup>3</sup> 2,000 ... 8,000 ppm: 10 % of MV <sup>3</sup>
Micro-draft <sup>1</sup>		- 50 ... + 200 Pa	0.1 Pa	-50 ... 200 Pa: ± 2 Pa or 5 % of MV <sup>3</sup>
Draft <sup>2</sup>		- 10 ... + 100 hPa	0,01 hPa	0 ... + 100 hPa: ± 0,5 mbar or 1 % of MV <sup>3</sup>
Pressure <sup>1</sup>		+ 100 ... + 160 hPa	0,1 hPa	+ 100 ... + 160 hPa: 5 % of MV <sup>3</sup>

<sup>1</sup> = Pmax. 750 mbar

<sup>2</sup> = Measuring Value

Calculated measurement data			
CO, undiluted	Calculated	0 ... 9,999 ppm	1 ppm
CO <sub>2</sub> , carbon dioxide	Calculated	0 ... 21 Vol.%	0.1 Vol. %
Flue gas loss	Calculated	- 20 ... + 100 %	0.1 %
Efficiency	Calculated	0 ... 120 %	0.1 %
Excess air	Calculated	1.00 ... 9.99	0.01
CO/CO <sub>2</sub> ratio	Calculated	0 ... 0.01	0.0001

## Order information

### Zubehör

Infrared printer MSI IR3	56 00 401
Paper for printer, packing unit 5 rolls	56 90 151

### Sets

Set Dräger FG4200 Incl. flue gas analyser Dräger FG4200, USB plug-in charger, mini USB cable, gas probe, bag, bumper, software*	56 03 061
Set Dräger FG4200 incl. printer Incl. flue gas analyser Dräger FG4200, USB plug-in charger, mini USB cable, gas probe, MSI IR3 infrared printer, bag, bumper, software*	56 03 068

\*PC software available for download on our website, [www.draeger-msi.de](http://www.draeger-msi.de)

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