



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

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.

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.

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.

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).

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.

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.

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.

Bumper for more reliability

The FG4200 is fully protected by the bumper set.

Accessory

5600890



Gas probe

brennerdruckschlauch-mit-bajonettschluss-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-pph-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.



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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.



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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 ³
O ₂ , 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 ³ 2,000 ... 8,000 ppm: 10 % of MV ³
Micro-draft ¹		- 50 ... + 200 Pa	0.1 Pa	-50 ... 200 Pa: ± 2 Pa or 5 % of MV ³
Draft ²		- 10 ... + 100 hPa	0,01 hPa	0 ... + 100 hPa: ± 0,5 mbar or 1 % of MV ³
Pressure ¹		+ 100 ... + 160 hPa	0,1 hPa	+ 100 ... + 160 hPa: 5 % of MV ³

¹ = Pmax. 750 mbar

² = Measuring Value

Calculated measurement data			
CO, undiluted	Calculated	0 ... 9,999 ppm	1 ppm
CO ₂ , 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 ₂ 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	56 03 061
Incl. flue gas analyser Dräger FG4200, USB plug-in charger, mini USB cable, gas probe, bag, bumper, software*	
Set Dräger FG4200 incl. printer	56 03 068
Incl. flue gas analyser Dräger FG4200, USB plug-in charger, mini USB cable, gas probe, MSI IR3 infrared printer, bag, bumper, software*	

*PC software available for download on our website, www.draeger-msi.de

Dräger MSI GmbH
Rohrstraße 32
58093 Hagen, Germany

www.draeger-msi.de

CANADA

Draeger Safety Canada Ltd.
2425 Skymark Ave
Mississauga, Ontario, L4W 4Y6
Tel +1 905 821 8988
Toll-free +1 877 Dräger 1
(+1 877 372 4371)
Fax +1 905 821-2565
Toll-free Fax +1 800 329 8823

P. R. CHINA

Draeger Safety Equipment
(China) Co., Ltd.
A22 Yu An Rd, B Area,
Tianzhu Airport Industrial Zone,
Shunyi District, Beijing 101300
Tel +86 10 80 49 80 00
Fax +86 10 80 49 80 05

FRANCE

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

MEXICO

Draeger Safety S.A. de C.V.
Av. Peñuelas No. 5 Bodega
No. 37
Fraccionamiento Industrial
San Pedrito
Querétaro, Qro México
Tel +52 442 246-1113
Fax +52 442 246-1114

NETHERLANDS

Dräger Safety Nederland B.V.
Edisonstraat 53
2700 AH Zoetermeer
Tel +31 79 344 46 66
Fax +31 79 344 47 90

REGION ASIA PACIFIC

Draeger Safety Asia Pte Ltd.
67 Ayer Rajah Crescent #06-03
Singapore 139950
Tel +65 68 72 92 88
Fax +65 65 12 19 08

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

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

SPAIN

Dräger Safety Hispania S.A.
Calle Xaudaró 5
28034 Madrid
Tel +34 91 728 34 00
Fax +34 91 729 48 99

UNITED KINGDOM

Draeger Safety UK Ltd.
Blyth Riverside
Business Park
Blyth, Northumberland
NE24 4RG
Tel +44 1670 352-891
Fax +44 1670 356-266

USA

Draeger Safety, Inc.
101 Technology Drive
Pittsburgh, PA 15275
Tel +1 412 787 8383
Fax +1 412 787 2207

HEADQUARTERS

Drägerwerk AG & Co. KGaA
Moislinger Allee 53-55
23558 Lübeck, Deutschland

www.draeger.com

AUSTRALIA

Draeger Safety Pacific Pty. Ltd.
8 Acacia Place
Notting Hill VIC 3168
Toll-free +61 1800 DRÄGER
(1800 372 437)
Fax +61 1800 64 74 84