



Dräger FG7500 For service- and maintenance work

With the exhaust gas measuring device, service and maintenance work is done in no time at all. The Dräger FG7500 is a reliable and consistent partner, due to its innovative and intuitive operation and varied functions related to exhaust gas analysis. Its slim, lightweight housing also ensures particularly comfortable handling.



Product benefits

Robust housing

The device has a robust housing which won't let you down, even in tough operating conditions. Despite this, the Dräger FG7500 is very slim and lightweight, and ensures particularly comfortable handling.

Service and maintenance work

In addition to service and maintenance work on gas and oil furnaces, the Dräger FG7500 also performs the official averaging measurements in accordance with BImSchV. The 1st BImSchV is also supported.

Quick Menu

The Quick Menu provides access to important exhaust gas measurements, such as the two-stage exhaust gas

Center-Button

The center button will take you back to the Start menu from anywhere and is also the on/off button.

The assistant for exhaust gas measurements

The innovative assistance program for exhaust gas measurements supports the user by clearly organising and summarising the required partial measurements of a comprehensive exhaust gas measurement.

Built-in 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.

Smart operation

The Dräger FG7500 is equipped with a colour touch screen and allows intuitive operation. This makes menu navigation particularly easy. The structured menu also makes it faster and more effective to use. In addition, the logo can be integrated on the start screen of the Dräger FG7500.

Longlife sensors for long-term stability

Longlife sensors not only mean long-term stability, but also fast response times and high sensitivity.

Easy handling due to innovative plug system and new bayonet connection technology

In addition to the outstanding ergonomics of the device, the innovative probe system enables faster operating sequences. A plug system ensures easy handling and quick probe replacement. The new bayonet pressure connection guarantees even easier connection of accessories, e.g. for pressure measurements. The gas processing cartridge is protected inside the device. An innovative plug system makes it very easy to install and remove, so filter material can be cleaned and replaced quickly.

Exhaust gas probe with LED

The digital exhaust gas probe offers LEDs for maximum readiness. The green LED indicates that the probe is ready for operation. A continuously lit orange LED indicates the core stream. If you move away from this point, the LED flashes. A sensor for the flue draught measurement is also integrated in the exhaust gas probe.

Product benefits

Your office-on-the-go with the Dräger mCon app

The app ensures ultimate mobility and instant access to all current measurement data. All data is transmitted straight from the measuring device to a smartphone or tablet via Bluetooth. Measurement reports with the company logo and data are available as pdf files and can be sent by e-mail.



iOS



Android

Bluetooth LE

The Dräger FG7500 is equipped with Bluetooth LE as standard.

Wide range of documentation options

Maximum ease of use also includes optimal measurement and customer data management with import and export functions for customer data. Calculated measurements can be saved and transferred to a PC. Measurement data is linked with customer or system data and is issued with a company logo and address using a measurement report template. Alternatively, measurement data can be printed out on site via an infrared printer.

Protection against misuse

A PIN request can be set for starting the device. This protects against unauthorised access and also allows several personalised users on one device.

Accessories



Exhaust gas probe FG7500

With integrated draught sensor and LED display for detection of the core stream



Multi-hole adapter

For CO measurement



Annular adapter

For measuring the O₂ content in the annulus



Gas pressure hose with bayonet connection

For measuring gas and flow pressure

Accessories

fg7500-weibrennungsluftfühler-prph-5600919



Combustion air sensor 130 mm

For measuring airtight furnaces

fg7500-pumpadapter 150mbar-prph-5600876



Pump adapter 150 mbar

With quick coupling and automatic valve connection. To connect a pump, the 1/2" adapter or the single tube meter cap is also required.

fg7500-drucksensor-ep35-3.5bar-prph-5600875



Pressure sensor EP 35 3.5 bar

With quick coupling and automatic valve connection, with the option of connecting a pump. The 1/2" adapter or the single tube meter cap is also required.

fg7500-drucksensor-ep250-25bar-prph-5600877



Pressure sensor EP 250 25 bar

Pressure sensor up to 25 bar with quick coupling. The 1/2" adapter or the single tube meter cap is also required.

Accessories

fg7500-pumpadapter-10bar-prph-5600882



Pump adapter 10 bar

With quick coupling and automatic valve connection. The 1/2" adapter or the single tube meter cap is also required.

fg7500-halbzoll-adapter-prph-5600813



1/2" adapter

With quick coupling

fg7500-einrohrschleierkappe-prph-5600842



Single pipe cover

(≤ 3.5 bar) with quick coupling

handpumpe-prph-5600880



hand pump

Accessories

gerätekoffer-heavy:fg7500-prph-5800961



Equipment Case Heavy FG7500

fg7500-usb-steckernetzteil-prph-5800124



USB plug-in power supply unit, 100 V – 240 V

fg7500-usb-kabel-prph-5850840



Micro USB cable

5800401_infrarot-Drucker (4)

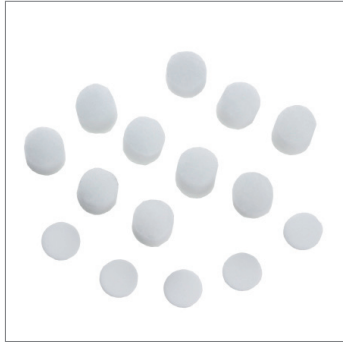


MSI IR3 infrared printer

Instantly documents all values and results

Accessories

fg7500-verbrauchsmaterial-set-prph-5600921



Consumables set FG7500

5680151_Druckerpapier



Printer paper

Related product groups

5600822



Dräger EM200plus

The Dräger EM200plus-f and Dräger EM200plus-i are suitable for measuring and testing heating systems and larger industrial systems. The series performs measurement tasks such as measuring the exhaust gas temperature, determining efficiency, or CO measurement up to 30,000 ppm just as reliably as it does solid fuel measurement or the calculation of flow rates (depending on version).

fg4200-pprh-5603061 (5)



Dräger FG4200

The exhaust gas measuring device is particularly handy and compact and weighs only 356 g. Suitable for service and maintenance work, it features a high-quality colour touch screen.

5600739



Dräger VARIOx-2

In addition to adjustment tasks, the single-channel device can perform combustion optimisation 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 + 2; TÜV By RgG 312
Display	Colour display with capacitive touch screen
Interface	USB PC interface, infrared for printers, DigSens interface for digital sensors
Power supply	Li-ion battery; 3.6 V, 3400 mAh; battery indicator; micro-USB 5 V, 1 A charging
Operating time	Up to 8 h
Gas extraction	Diaphragm pump for extracting sample gas
Gas treatment	Independently positioned gas processing cartridges with condensation collector and particle filter
Operating time	+ 5 °C ... + 40 °C
Storage temperature	- 20 °C ... + 50 °C
Air pressure	800 ... 1.100 hPa
Humidity	10-90 % RH non-condensing
Dimensions	225 x 95 x 40 mm (hxwxd)
Weight	540 g

Display	Principle of measurement	Measuring range	Resolution	Accuracy
Combustion air temperature	Thermocouple	- 10 ... + 100 °C	0,1 °C	0 °C ... 100 °C: ± 1 °C
Thermocouple	Thermocouple	0 ... + 600 °C	0.1 °C ³	0 °C ... 400 °C: ± 2 °C or 1.5 % of MV ²
O ₂ , oxygen	El.-chem. sensor	0 ... 25 Vol. %	0.1 Vol. %	0 ... 21 Vol. %: ± 0.3 Vol. %
CO, carbon monoxide	El.-chem. sensor H ₂ compensated	0 ... 8,000 ppm	1 ppm	0 ... 200 ppm: ± 10 ppm or 10 % of MV ² 201 ... 2.000 ppm: ± 20 ppm or 5 % of MV ² 2,001 ... 8,000 ppm: ± 100 ppm or 10 % of MV ²
CO overload protection*		up to 30,000 ppm		
NO ¹ , nitrogen monoxide	El.-chem. sensor	0 ... 2,000 ppm	1 ppm	0 ... 600 ppm: ± 5 ppm or 5 % of MV ²
Draught ¹		- 500 ... + 500 Pa	0.1 Pa	- 50 ... 200 Pa ± 2 Pa or 5% of MV ²
Pressure ²		0 ... + 100 hPa	0.01 hPa	0 ... + 100 hPa: ± 0.5 hPa or 1 % of MV ²
		+ 101 ... 160 hPa	0.1 hPa	101 ... 160 hPa 5 % of MV ²

¹ = Pmax. 750 hPa, ² = Measuring Value, ³ = max. 10 min (1 ° from 100 °C)

Display	Measuring range	Resolution	Accuracy	Max. pressure overload
Pressure (ext. sensor, optional air / gas)	-100 ... +3,500hPa	1 hPa	- 100 ... + 3,500 hPa: 1 % of MR ⁴	4,000 hPa
High pressure (ext. sensor, optional air / gas / liquids)	0.01 ... 2.5 MPa	0.001 MPa	0.01 ... 2.5 MPa 1 % of MR ⁴	35,000 hPa

⁴ = Measuring range

Technical Data

Calculated measurement data			
CO, undiluted	calculated	0 ... 9,999 ppm	1 ppm
CO ₂ , carbon dioxide	calculated, fuel dependent	0 ... CO ₂ max.	0.1 Vol. %
CO, NO, NOx	calculated	mg/Nm ³ , mg/kWh	1 mg
Exhaust gas loss	calculated	0 ... +100 % -20 ... +100 %**	0.1 %
Efficiency	calculated	0 ... +100 % 0 ... +120 %**	0.1 %
Excess air	calculated	1.00 ... 9.99	0.01

* = max. 10 min, **taking into account the calorific value gain

Order information

Accessory	
MSI IR3 infrared printer	56 00 401
Printer paper, packing unit 6 rolls	56 90 151
Sets	
Dräger FG7500 Set Incl. Dräger FG7500, plug-in charger, USB cable, gas probe with integrated draft measurement, gas pressure hose with bayonet connector, equipment case, consumable set FG7500, Bluetooth LE, software*	56 03 105
Dräger FG7500 Set NO Delivery contents the same as that of the Dräger FG7500 set but with measuring channel for NO	56 03 106

*Software available for download at www.draeger-msi.de

Notes

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