

Universal, compact, handy electronic measuring device with Connected functionality via Bluetooth or USB. For flue gas analysis, pressure and leakage testing with compressed air/inert gas or water, usefulness testing of gas installations. For battery and corded operation.

Flue gas analysis in accordance with EN 50379 Part 1 and 2

Pressure and leakage testing with compressed air/inert gas $p \leq 0.4 \text{ MPa}/4 \text{ bar}$

Pressure and leakage testing with water $p \leq 2.5 \text{ MPa}/25 \text{ bar}$

Usefulness testing of gas installations

Individual check lists, e.g. firing installation show, house show

For functions/applications, see page 161.

For a wide range of accessories, see pages 158 – 160.

REMS FG7500 C – Compact. Handy. Light. Universally for flue gas analysis, pressure and leakage testing as well as usefulness testing of gas installations.

Universal use

Just **one** device for flue gas analysis, pressure and leakage testing with compressed air/inert gas or water, e.g. drinking water installations, radiator and area heating systems, gas and liquid gas installations, also for differential pressure testing $\leq 150 \text{ hPa}/\text{mbar}$ as well as usefulness testing of gas installations.

System advantage

Simultaneous measurement of draught and nozzle or combustion chamber pressure saves an additional measurement.

Design

Compact, handy electronic flue gas analyser and pressure testing device, ultra light, for one-hand operation, measuring instrument weighs only 540 g. Sturdy, impact-resistant plastic housing with ergonomically shaped handle. Internal gas sensors O_2 , CO (H_2 -compensated) or NO (only FG7500 NO C) and internal pressure sensor $\leq 150 \text{ hPa}/\text{mbar}$. Quick-change gas processing cartridge FG7500/FG7700 made of impact-resistant, shock-proof plastic, with large viewing window, with innovative plug system for easy cleaning of the condensate tank and fast filter replacement. Jack for connecting electronic probes, gas sensors and temperature sensors. Bayonet sockets P+ and P- for pressure hose PX/FG, $\varnothing 5 \text{ mm}$, e.g. for differential pressure measurement. Combi-plug system for quick probe change. Micro-USB port for direct connection to a PC or laptop or for charging the Li-Ion 3.7 V, 3.4 Ah battery. IR interface for connecting a printer. Housing rear with strong magnet for easy attachment, e.g. to boilers or other ferromagnetic materials. Power supply unit/charger 100–240V.

Input and control unit with 4.5" colour display

Input and control unit with 4.5" colour display with touch function and modern TFT LCD technology, 114 mm screen diagonal, 480×272 pixels. On/Off button. User-friendly menu guidance takes you step by step through the testing process. Easy to understand operating instructions can be displayed at the start of a function on request, supplemented by context-related help and visual feedbacks for support. 13 different measuring and test programs in 16 languages. Language, date, time, key tones, IR interface, screen brightness, keyboard layout, automatic summer time, start screen, PIN, calorific value, fuels, values according to German Federal Immission Protection Ordinance, show help, monitor probe cap, unit of pressure bar/Pa, QR code and footer texts, e.g. company, settable. Display of notices (annual inspection and periodic testing, battery state, firmware version, measuring version, serial number, ZIV-ID etc.). Download and installation of new firmware versions via PC or laptop. Switches off after 15 minutes of inactivity.

Battery or mains operation

Li-Ion technology. Measuring instrument with integrated Li-Ion battery 3.7V, 3.4 Ah Light and powerful. High energy density for approx. 8 hours continuous operation. Operation on the mains is possible during the charging process. Power supply/charger 100–240V, 7.5W, with USB-A port and cable Micro-USB to USB-A for connecting to the power supply/charger, laptop or another power supply. No memory effect for maximum battery power.

Flue gas probe

Light, handy flue gas probe with temperature sensor, draught sensor, probe tube $\varnothing 6 \text{ mm}$, 210 mm long. Green LED for indicating readiness for operation. Yellow LED for easy determination of the core flow. Probe hose with probe lead, 1.4 m long, very flexible, with combi-plug system for quick probe change. Multi-hole or annular clearance probe attachment as an accessory.



German Quality Product



REMS mCon App

Free application software from the Apple App Store or Android App at Google Play.

REMS FG7500 C

Electronic flue gas analyser and pressure testing device with Connected functionality via Bluetooth or USB

Pressure hoses, electronic pressure sensors

Pressure hose PX/FG, Ø 5 mm for measuring gas and flow pressure and for leakage testing with compressed air/inert gas ≤ 150 hPa/mbar. Electronic pressure sensor ≤ 0.35 MPa/3.5 bar for pressure and leakage testing with compressed air/inert gas ≤ 0.35 MPa/3.5 bar. Electronic pressure sensor ≤ 2.5 MPa/25 bar for pressure and leakage testing with compressed air/inert gas ≤ 0.4 Mpa/4 bar or with liquid ≤ 2.5 MPa/25 bar. Compact manual compressed air pump ≤ 0.4 MPa/4 bar, double-sealed for fast, accurate pressure build-up ≤ 0.4 MPa/4 bar, with connection for Schrader valve.

Time/pressure diagram

Time/pressure diagram for recording the pressure curve over the complete testing time for easy assessment of the tightness.

Functions/applications

Electronic flue gas analyser and pressure testing devices FG4500 C and FG7500 C with numerous functions for different applications, see product comparison on page 161.

Logging

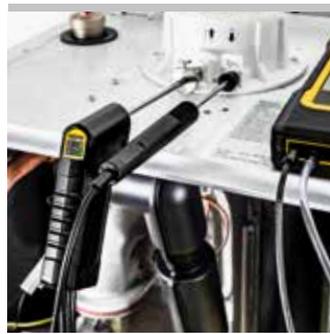
Results of the measuring and test programs are saved with date, time and log number in the selected language and can be printed, stored or sent for documentation. Printer with Bluetooth or IR interface for direct log printing, as an accessory. Additions to saved data, e.g. customer name, project number, tester, are possible on external devices (e.g. PC, laptop, tablet-PC, Smartphone).

Connected-functionality via Bluetooth with REMS mCon App

If a mobile terminating device is connected via Bluetooth, many different functions are available with the REMS mCon app. For functions/applications, see page 161.

Connected functionality via USB

If a PC or laptop is connected via USB, many different functions are available with the REMS PC-Software PC200P. For functions/applications, see page 161.



Supply format

REMS FG7500 C Set. Electronic flue gas analyser and pressure testing device with Connected functionality via Bluetooth or USB. Internal gas sensors O₂, CO (H₂-compensated) and internal pressure sensor ≤ 150 hPa/mbar. Quick-change gas processing cartridge FG7500/FG7700. Flue gas probe FG 7500/7700 with temperature sensor, draught sensor, core flow indicator 10 filter fleece pads FG7500/FG7700, 5 filter discs FG7500/FG7700, pressure hose PX/FG, Ø 5 mm, 1 m long, cable Micro-USB to USB-A, power supply/charger 110–240V, 50–60Hz, 7.5W, 5V, 1.5A. In L-Boxx system case.

Art.-No.	KM
610060R220	4.010,00

Supply format

REMS FG7500 NO C Set. Same as REMS FG7500 C Set (Art.-No. 610060), but with additional internal gas sensor NO.

Art.-No.	KM
610065R220	4.960,00



Accessories

Description

For functions/applications, see page 161

For accessories, see page 158–160