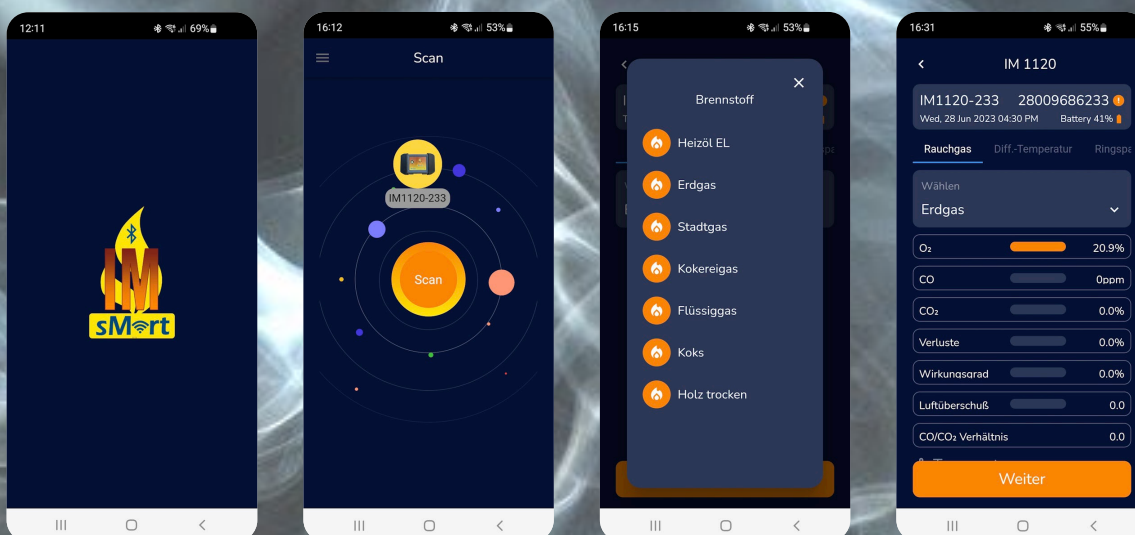


Ingeniously  
sM<sup>art</sup>



- O<sub>2</sub>
- CO
- T-Gas
- T-VL
- ΔT
- Ruß



# IM 1120

Combustion Gas Analyser  
with IM-Smart App

IM GmbH | [www.im-abgasmesstechnik.de](http://www.im-abgasmesstechnik.de)



# IM 1120

## Combustion Gas Analyser



The IM 1120 Flue Gas Analyser with its new, innovative HMI concept is controlled via the IM-Smart app and ensures simple operation, handling and evaluation for the user.

- Free IM-Smart app for remote operation of the IM 1120 with a tablet or smartphone
- Various measurement modes with report generating function are available:  
Flue gas analysis | Differential Temperature | Oxygen Gap | CO Ambient | Soot Number Entry
- Reports can be downloaded or shared as PDF documents
- Rugged enclosure with magnetic mount

### IM-Smart App



Remote controlling the IM 1120 via Bluetooth app (Android, iOS)



Users can create their own profile



Customer profiles can be created



Reports are saved and can also be downloaded as PDF documents



Reports can be shared as PDF documents with the user's own contacts



### Measurements

Oxygen	O <sub>2</sub>	0 – 25,0 Vol.%
Carbon Monoxide	CO	0 – 10.000 ppm
Carbon Dioxide (calc.)	CO <sub>2</sub>	0 – 25,0 Vol.%
Excess Air	$\lambda$	1 – 9,99
Combustion Efficiency	ETA	0 – 99,9 %
Heat Losses	q <sub>A</sub>	0 – 99,9 %
CO/CO <sub>2</sub> Ratio	CO/CO <sub>2</sub>	0 – 0,999
Flue Gas Temperature	T <sub>1</sub>	0 – 800 °C
Ambient Temperature	T <sub>2</sub>	0 – 500 °C
Differential Temperature	T <sub>1</sub> – T <sub>2</sub>	0 – 800 °C

### Technical Data

Gas Sampling Probe	Sheath 200 mm; Hose 2,5 m
Rechargeable Battery	Li-Ion, > 6h
Dimensions	150 x 100 x 58 mm
Weight	490 g
Operating Conditions	-10°C to 50°C; 10 – 90 % rH, non-condensing
Approvals	According to EN50379 Part 1 and 3

**IM 1120** O<sub>2</sub>, CO, Gas Sampling Probe, Condensation Trap, Charger, IM-Smart App Part-Nr. 11200