

CO2-SS-20+ CARBON DIOXIDE CO2 & OXYGEN O2 ANALYSER

- ✓ **Advanced Patented NDIR Sensor Technology**
- ✓ **Ultra Low Power - extended battery life**
- ✓ **Fast start – ready to use in seconds**
- ✓ **Large colour touch screen**

The CO2-SS-20+ is the new handheld Carbon Dioxide (CO2) and Oxygen (O2) analyser offering simple and highly accurate analysis with fast and intuitive touch screen interface.

Specially developed to measure, verify and validate CO2 and O2 levels in CO2 incubators, the CO2-SS-20+ is proving popular in medical departments, research and laboratories. The unit is also utilised by field service engineers to repair, validate and calibrate CO2 incubators and equipment.

Patented dual beam selective infrared CO2 sensor technology ensures extremely fast start and minimal warm up time. This advanced equipment completes full check and measurement cycle before other analysers have even got the splash screen out of the way! Such advantages, as well as ease of use for all personnel, extends appeal of the CO2-SS-20+ into the more traditional areas of CO2 and O2 measurement, including horticulture, air quality and safety.

KEY BENEFITS

- Fast start – no splash screen and a minimal power up time of seconds means the CO2-SS-20+ is ready to start taking readings as soon as you are!
- Quick and accurate verification of Incubator 0-20% CO2 and 0-30% O2 readings.
- No regular span calibration required and rapid Air Zero Calibration within 90 seconds.



APPLICATION AREAS

- CO2 levels in Incubators
- IVF / Medical Research
- Cell Culture
- University Research
- Contract Research
- Laboratories
- Service & Calibration of Incubators and CO2 laboratory & research equipment
- Pharmaceutical
- Food processing
- Air Quality
- Safety levels
- Horticulture
- Brewing
- Atmosphere control / gas mixing

EURO-GAS MANAGEMENT SERVICES LTD, CHURSTON HOUSE,
BASCOMBE ROAD, CHURSTON FERRERS, DEVON, TQ5 0JJ, UK

☎: +44 (0)1803 844414

sales@euro-gasman.com

www.euro-gasman.com



EURO-GAS
MANAGEMENT SERVICES LTD

CO2-SS-20+ CARBON DIOXIDE CO2 & OXYGEN O2 ANALYSER

FEATURES

- 0 – 20% volume CO2 measurement range.
- 0 – 30% volume O2 measurement range.
- Easy-to-use large colour touch screen which can be operated if wearing gloves.
- Weighing only 345g and with a comfortable handheld case, the CO2-SS-20+ is convenient and easy to hold in continued use.
- Built-in flip-out tilting stand.
- USB charging feature.



FUNCTIONS

- Fast and intuitive touch screen driven user interface.
- Adjustable display resolution from 1 to 2 decimal places.
- HOLD feature.
- Ultra low power sensing technique maximises battery life.



CO2-SS-20+ INCLUDES:

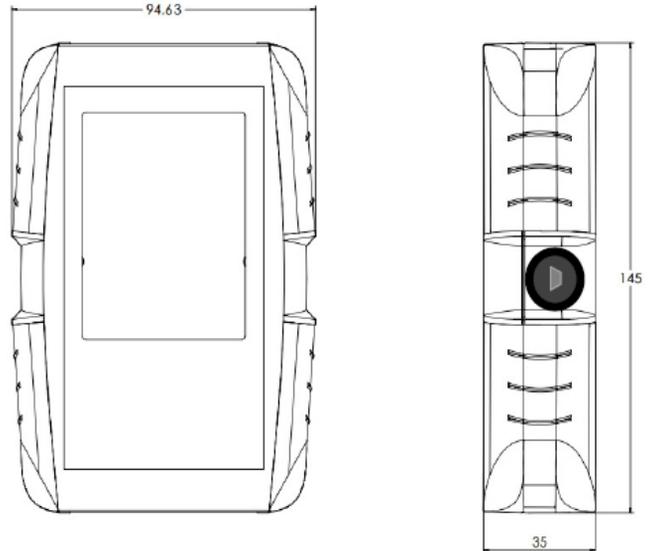
- ✓ Model CO2-SS-20+ Analyser
- ✓ 1 metre of sample tubing with filter
- ✓ Spare Filter
- ✓ Hard Carry Case (if case option is selected)
- ✓ Multi-region mains charger kit (UK, US, EU and AU)
- ✓ USB A Male – Right Angle Mini USB
- ✓ User Manual
- ✓ Calibration Certificate (calibrated and tested using certified gases traceable to UK National Standards)



CO2-SS-20+ CARBON DIOXIDE CO2 & OXYGEN O2 ANALYSER

TECHNICAL SPECIFICATIONS

- Display:** 320x240 TFT Colour Display with Touch Screen
- Housing:** High impact ABS, UL94-V0 with TPE coated polypropylene soft-grip corners
- Power:** Rechargeable Lithium Polymer battery. Charges with Mini USB Charger or using 12V Car Adapter
- Input Voltage:** 100-240V, 50-60 Hz 0.2A max
- Weight:** 345g
- Operating Conditions:**
5°C to 40°C (standard)
0 to 95% RH, non-condensing



All dimensions are in millimetres mm (+/- 0.15mm)

- Measuring Method:**
Sampling (pump 0.35 l/min)
- CO2 Sensing Method:**
Non-dispersive infrared (NDIR) absorption. Patented Gold-plated optics. Patented Solid-state source and detector
- Measurement Range:** 0-20% volume CO2
- Accuracy:** +/- 5% of reading after calibration
- Response Time (T90):**
20 seconds (target reading of 5%)
- O2 Sensing Method:**
Electrochemical cell with approx. 2 year lifetime
- Measurement Range:** 0-30% volume O2
- Accuracy:** +/- 1% of reading after calibration

Warranty period: 12 months from date of manufacture

CO2-SS-20+ ANALYSER VERSIONS:

- CO2 / O2 Analyser in hard carry case
- CO2 / O2 Analyser in basic box

ACCESSORIES:

- Spare Inlet filter packs (2 or 5 filters)
- Spare length of sample tubing
- Car charging adapter
- Spare mains charger kit
- Annual calibration and servicing

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