

SSA-20+ CO₂ Incubator Analyser



- > CO₂/O₂ Incubator verification tool
- > Solid State Sensor Technology
- > Ultra Low Power - extended battery life
- > Fast start – ready to use seconds after switch on
- > Large colour touch screen



The SSA-20+ is a handheld CO₂ /O₂ analyser specially designed by Samson Scientific to measure, verify and validate the CO₂ and O₂ levels on CO₂ Incubators. The SSA-20+ offers the user an easy to use and accurate CO₂ and O₂ analysis tool with the backup of our excellent after sales support package.

Easy to use

Fast and intuitive touch screen driven user interface.

It's fast

Solid state sensor technology with extremely fast start time and minimal warm up mean the SSA-20+ can practically complete its full check and measurement cycle before other Analysers have even got the splash screen out of the way.

Features

- CO₂ 0 - 20% measurement range
- O₂ 0 - 100% measurement range
- Easy-to-use large colour touch screen which can be operated while wearing gloves
- Weighing only 345g and with a comfortable handheld case, the SSA-20+ is convenient and easy to hold in continued use
- Built in flip out tilting stand

Key Benefits

- Fast start – no splash screen and a very quick power up time mean the SSA-20+ is ready to start taking readings as soon as you are
- Quick and accurate verification of Incubator CO₂ readings within the 0-20% range and O₂ readings within the 0-100% range
- No regular span calibration required & Rapid Air Zero Calibration in 90 seconds



Applications

- University research departments
- Contract Research
- Laboratories
- Medical Research
- IVF



What do I get?

- SSA-20+ CO₂ / O₂ analyser
- 1 metre of sample tubing with filter
- Spare Filter
- Hard Carry Case
- Mains charger kit supplied with pack of 4 AC heads; UK, US, EU and AU
- USB A Male – Right Angle Mini USB
- User Manual
- Calibration certificate (instruments are calibrated and tested using certified gases which are traceable to UK National Standards).

Available to purchase direct from Samson Scientific Ltd

Functions

- Fast and intuitive touch screen driven user interface
- Adjustable display resolution from 0.1% and 0.01%
- HOLD feature
- Ultra lower power sensing technique maximises battery life

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 SSA-20-007
- Input Voltage: 100-240V, 50-60 Hz 0.2A max

Weight

- 345g

General Performance

Operating Conditions

- 5°C to 40°C (standard)
- 0 to 95% RH, non-condensing

CO₂ Measurement

Sensing Method

- Non-dispersive infrared (NDIR) absorption
- Patented Gold-plated optics
- Patented Solid-state source and detector

Measuring Method

- Sampling (pump 0.35l/min)

Measurement Range

- 0-20%

Accuracy

- +/- 1% of reading after calibration
(Example: +/- 0.05% when reading is 5.00% CO₂)

Response time (T90)

- 20 seconds (target reading of 5%)

O₂ Measurement

Sensing Method

- Internal electrochemical cell (Approx.2-year life)

Measurement Range

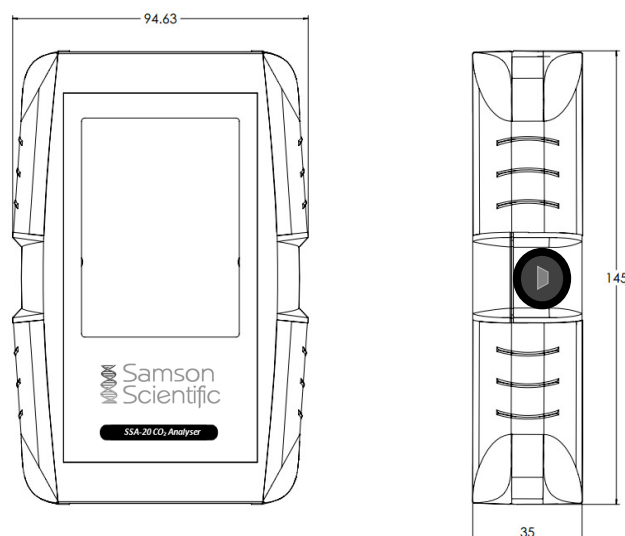
- 0-100%

Accuracy

- +/- 1% of reading after calibration
(Example: +/- 0.05% when reading is 5.00% O₂)

Please note - Product designs and specifications are subject to change without notice.

Dimensions (in mm)



Accessories

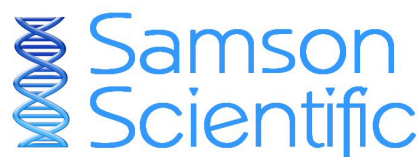
- Annual Calibration
- Car charging adapter
- Spare filter pack (2 filters)

Warranty Period

- 1 Year Warranty

Ordering Information

Description	Part Number
SSA-20+ CO/O ₂ Analyser	SSA-20-003
Spare Inlet filter pack (2 filters)	SSA-20-005
5% CO ₂ Calibration 34L Canister	S-CAN20-CO ₂ -5
Fixed Flow Regulator for 34L Can	SS-198840
Spare length of sample tubing	SSA-20-006
Car charging adapter	SSA-20-007
Spare mains charger kit	SSA-20-008
Annual calibration	SSA-20-009



Sales enquiries:

T: +44(0)845 094 9743

E: enquiries@samsonscientific.com

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T: +44(0)845 094 9743

E: enquiries@samsonscientific.com

W: www.samsonscientific.com