SSA-20 - CO_2 Incubator Analyser

Samson Scientific

> CO2 Incubator verification tool
> Solid State Sensor Technology
> Ultra Low Power - extended battery life
> Fast start – ready to use 6 seconds after switch on
> Large colour touch screen

Supplied with

Calibration Certificate

The SSA-20 is a handheld CO_2 analyser specially designed by Samson Scientific to measure, verify and validate the CO_2 levels on CO_2 Incubators. The SSA-20 offers the user an easy to use and accurate CO2 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

- CO_2 0 - 20% measurement range
- Easy-to-use large colour touch screen which can be operated while wearing gloves
- Weighing only 315g and with a comfortable handheld case, the SSA-20 is convenient and easy to hold in continued use
- Built in flip out tilting stand
- USB charging

Key Benefits

- Fast start – no splash screen and a minimal power up time of 6 seconds mean the SSA-20 is ready to start taking readings as soon as you are
- Quick and accurate verification of Incubator CO_2 readings within the 0-20% 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 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).

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 5v Mini USB Charger or using 12v Car Adapter SSA-20-007
- Input Voltage: 100-240V, 50-60 Hz 0.2A max

Weight
- 315g

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
- Gold-plated optics
- Solid-state source and detector

Measuring Method
- Sampling (pump 0.35l/min)

Measurement Range
- 0-20%

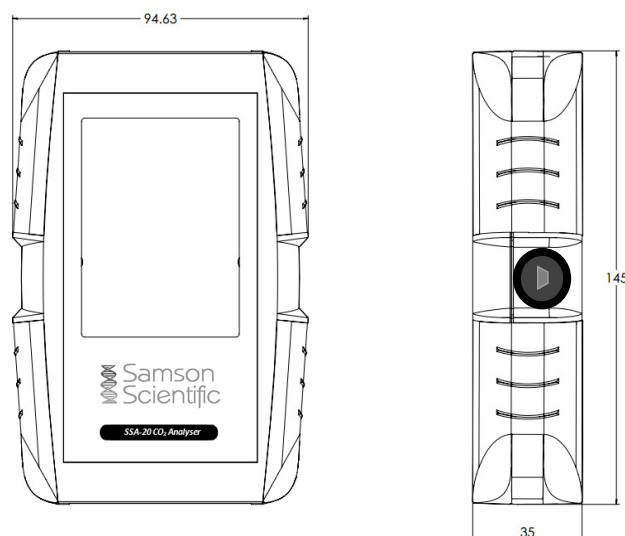**Measurement Accuracy**
- +/- 1% of reading after calibration
  (Example: +/- 0.05% when reading is 5.00% CO_2)

Response time (T90)
- 20 seconds (target reading of 5%)

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 CO2 Analyser	SSA-20-001
Spare Inlet filter pack (2 filters)	SSA-20-005
5% CO2 Calibration 34L Canister	SS-314675
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

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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct.
If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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Please contact us if this literature doesn't answer all your questions.