

# SSA-20+ CO<sub>2</sub> Incubator Analyser



- > CO<sub>2</sub>/O<sub>2</sub> 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 CO<sub>2</sub>/O<sub>2</sub> analyser specially designed by Samson Scientific to measure, verify and validate the CO<sub>2</sub> and O<sub>2</sub> levels on CO<sub>2</sub> Incubators. The SSA-20+ offers the user an easy to use and accurate CO<sub>2</sub> and O<sub>2</sub> 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<sub>2</sub> 0 - 20% measurement range
- O<sub>2</sub> 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 CO<sub>2</sub> readings within the 0-20% range and O<sub>2</sub> 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+ CO<sub>2</sub>/ O<sub>2</sub> 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

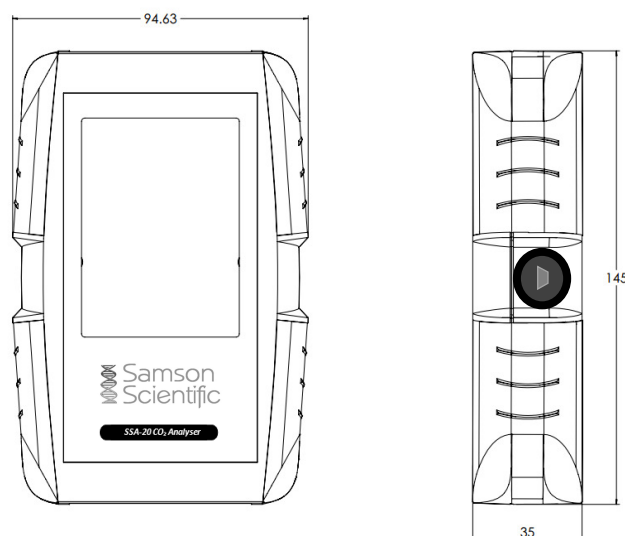
- 0-100%

##### 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

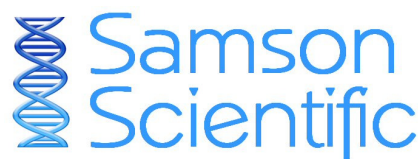
- Annual Calibration
- Car charging adapter
- Spare filter pack (2 filters)

## Warranty Period

- 1 Year Warranty

## Ordering Information

Description	Part Number
SSA-20+ CO/O2 Analyser	SSA-20-003
Spare Inlet filter pack (2 filters)	SSA-20-005
5% CO2 Calibration 34L Canister	S-CAN20-CO2-5
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



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