

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



- > *New CO<sub>2</sub> 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*



The SSA-20 is the new handheld CO<sub>2</sub> analyser specially designed by Samson Scientific to measure, verify and validate the CO<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> 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
- 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<sub>2</sub> 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 CO<sub>2</sub> Analyser
- 1 metre of sample tubing with filter
- Spare Filter
- Hard Carry Case
- Mains charger kit supplied complete with pack of 4 AC heads; UK, US, EU and AU
- USB A Male – Right Angle Mini USB



## 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

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

##### Measuring Method

- Sampling (pump 0.35l/min)

##### Measurement Range

- 0-20%

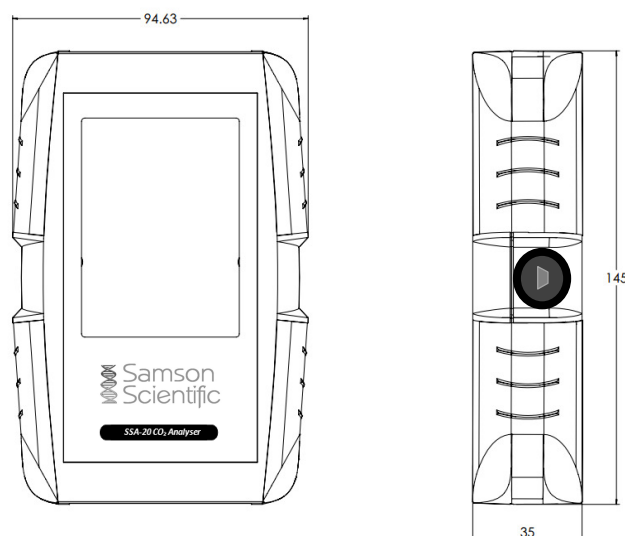
##### Accuracy

- +/- 5% of reading

##### Pressure Dependence

- 0.13% of reading per mm Hg in normal atmospheric conditions.

## 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 20L Can	S-CAN20-CO2-5
Control valve for 20L Can	S-FLOW-5/20
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

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

