

# 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).



## 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)

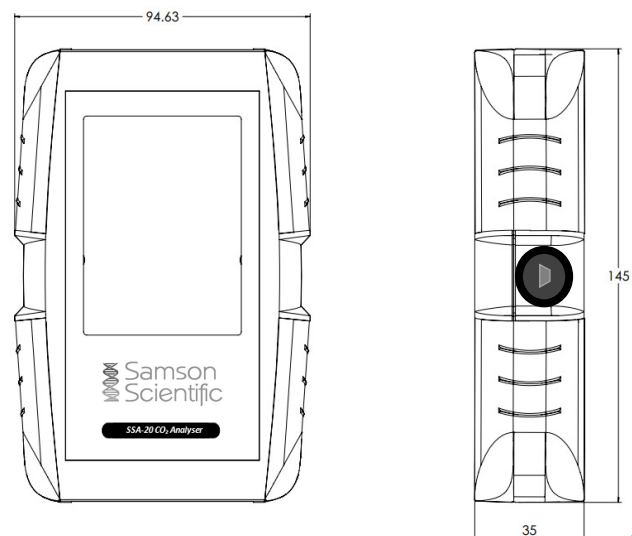
##### Measurement Range

- 0-100%

##### Accuracy

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

## Dimensions (in mm)



## Accessories

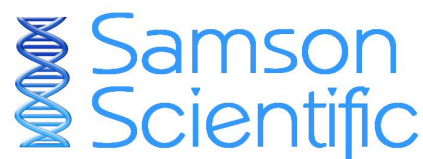
- Annual Calibration
- Car charging adapter
- Spare filter pack (2 filters)

## 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



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



# WolfLabs

**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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