

Meter

- Digital LCD Text Display
-128x64 pixels
- Automatic Character Height Scaling
- Display of Pressure, Temperature, Flow and Rotational Speed
 - Pressure in PSI and Bar
 - Temperature in °F and °C
 - Flow in GPM and l/min.
 - Rotational Speed in RPM

Inputs

- 3 or 6, 5-pin push-pull style connectors
- Automatic Sensor Recognition
- 0-3 Volts (R=470 kΩ)
- 12 Bit A/D Converter
- 1 ms Scanning Rate (1-3 inputs)
- 2 ms Scanning Rate (4-6 inputs)
- Frequency input via Input socket I3
- frequency range 0.5 Hz to 30 kHz

Functions

- Differential Value Measurement
- MIN/MAX Memory
- Online data transfer
- Battery level indicator
- Power calculation (display only)
- Flow run-out (display only)
- Auto power off

Output

- RS232 interface
- Adjustable baud rate up to 38400 BPS
- 8 data bits, 1 stop bit

Power Requirements

- Internal 7.2-volt rechargeable Ni-Cad battery
- Recharge circuit for use with external power supply.
- Operating time (Aprox. 5 hours)
- Excitation voltage (12-30 VDC)

Memory Functions

- Memory capacity
-125,000 data points (SCM-350)
-250,000 data points (SCM-450)
- Memory used in 25,000 data point intervals
- Variable storage rate
- Variable measuring period up to 100 hours
- Manual and automatic triggering

Ambient Conditions

- Operating Temperatures
32°F to 122°F (0°C to 50°C)
- Storage Temperatures
-4°F to 140°F (-20°C to 60°C)
- Protection class IP54

Housing

- Glass reinforced polyamide
- 11-Key tactile touch membrane
- EMC Protection
 - Electromagnetic interference (DIN/EN 50081, Part 1)
 - Immunity to emitted interference (DIN/EN 50082, Part 2)

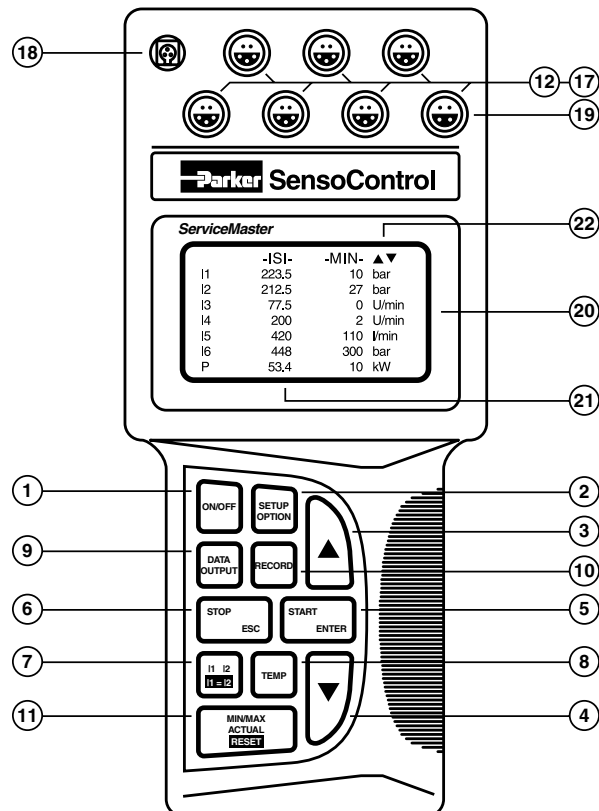
General Information

Dimensions

- Length/Height/Width
- 9.25 x 4.19 x 2.09
(235 x 106 x 53 mm)

Weight

- 1.2 lbs (700 grams)



Functions

- 1 ON/OFF** Turns meter on or off
- 2 SETUP/OPTION** Change system settings
- 3/4 ARROWS** Select line and function values
- 5 START/ENTER** Change function values and start measurements
- 6 STOP/ESC** Stop or terminate functions
- 7 I1-I2** Differential value between input 1 and input 2.
- 8 TEMP** Displays the measured temperature values for all channels
- 9 DATA-OUTPUT** Displays output to PC, printer or graphic display
- 10 RECORD** To record and store measurements
- 11 MIN/MAX/ACTUAL** Displays the minimum, maximum and actual values. Reset deletes values
- 12-17 INPUTS** Inputs for up to (6) sensors
- 18 11-30 VDC** Input for external power supply and charging of internal battery
- 19 DATA OUTPUT** RS232 port for connecting to the PC, printer, or external trigger module
- 20 GRAPHIC LCD** Displays measured values, adjustment menus and graphics.
- 21 ADDITIONAL LINE** Displays the power or flow runout values.
- 22 STATUS LINE** Shows the designation of the measured value or the menu name.