SUNSUI
PROCESS SYSTEMS

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Global Quality Through Indigenous Product

ISO 9001:2015 CERTIFIED COMPANY

ISO 14001:2015 CERTIFIED COMPANY

WIERLESS DATA LOGGER
Wi-Fi, BLUETOOTH, USB

·Portable data logger

- Available with USB & Bluetooth communication.
- Inbuilt and external sensor facility.
- Large display as well as process values
- Smart device to monitor and log temperature and humidity.
- Compact in size and easy to install.
- Fully operate on the Li-ion batteries
- Battery life approx. 6 month which depends on logging interval.
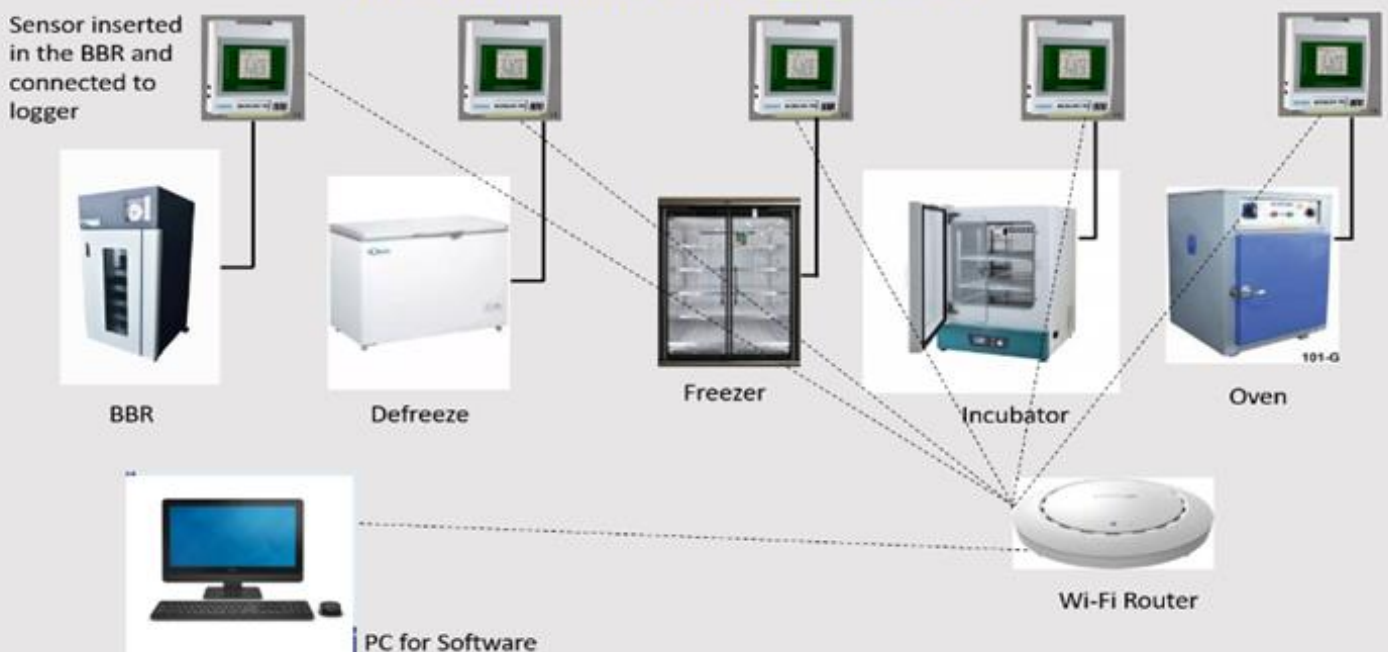- Records and indicate the alarm events.

USB

BLUETOOTH

Wi-Fi Data Loggers

- Model: SUNLOG-1W/2W/4W/THI
- Suitable for distributed environment with existing or private wi-fi infrastructure.
- Available with inbuilt temperature humidity sensor, single/dual & 4 input external sensors.
- Web base PC software for data collection and report generation.
- Powered by batteries and external DC power supply.
- No data loss because of long battery backup.
- Device communication with PC software over a single network IP

Wireless Centralized Data Logging System

Sensor inserted in the BBR and connected to logger

BBR   Defreeze   Freezer   Incubator   Oven

101-G

PC for Software   Wi-Fi Router

TOUCH SCREEN
DATA LOGGER

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PROCESS SYSTEMS

SMARTLOG SERIES

SMARTLOG-01

SMARTLOG-04

SMARTLOG-08/16

- Models: SMARTLOG-01 / 04 / 08 / 16
- INPUT: PT100/TC-J,K /4-20mA/0-20mA/0-1VDC/0-2VDC/0-5VDC
  For SMARTLOG-01 – Factory Settable
  For SMARTLOG-04 / 08 / 16 —Universal
- DISPLAY: For SMARTLOG-01/04 = 3.5" Resistive touch screen.
  For SMARTLOG-08/16 = 5.1" Resistive touch screen.
- MEMORY: 65000 samples per channel.
- LOG INTERVAL: 1 Sec/5Sec/30Sec/1Min/5min/10min/15min/
  30min/60min-   Selectable
- Communication: RS232 & RS485
- Optional: Ethernet and RF Transceiver
- RELAY: 02 Nos (Pole/NO) Alarm common relays.
- Power Supply: 12VDC Adapter.
- Optional: SMS service for sending the alarm alerts on 9 mobile numbers.
- Software: Standard monitoring as well as 21CFR Part11 complied software available.

Wireless (RF)

- Wireless (RF) based inbuilt Temperature Humidity & external Input transmitters.
- Distance Cover : 300 Mtrs. LOS
- Inbuilt : Temp & RH
- External : PT-100/4-20 mA /0-20 mA / 0-1 VDC / 0-2 VDC Factory settable.
- Range: Temperature: -40°C to 60°C
  Humidity: 0 to 100% RH.
- This transmitter directly transmits the data to receiver. The receiver is connected to the SMARTLOG-04/08/16 data logger. This is portable and handy device which reduce the wiring connections.
- Power: 12VDC adapter
- Communication Distance: 250Mtrs Line of site.

CIRCULAR
CHART RECORDER

PAPER CHART RECORDER.

- **Models: SUNREC-40/SUNREC-60/ SUNREC-100/SUNREC-100TP.**
- INPUT: Selectable / Factory Settable.
- Chart Speed: Selectable.
- Chart Range: Selectable.
- Power Supply: 230VAC / 12VDC / 12VDC with Battery Charger
- External battery backup also available.
- Size: SUNREC-40= 144 X 144 X 150
  SUNREC-60= 184 X 184 X 150
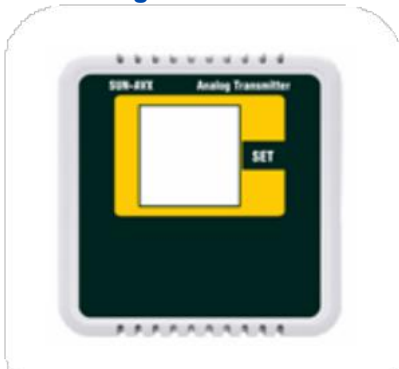 SUNREC-100&100TP= 344 X 344 X 150

PAPERLESS CHART RECORDER

- **Models: SMARTRECORD-01 & SMARTRECORD-04.**
- INPUT: PT100/ 4-20mA/0-20mA/0-1VDC/0-2VDC. For SMARTRECORD-01 – Factory Settable For SMARTRECORD-04—Universal
- Chart Speed: Selectable
- Chart Range: Selectable.
- Power Supply: 12VDC Adapter
- Direct output of circular chart in PDF format via USB port.
- High resolution multicolour rigid capacitive touch screen display
- Display size : - SMARTRECORD-01 3.5 inch
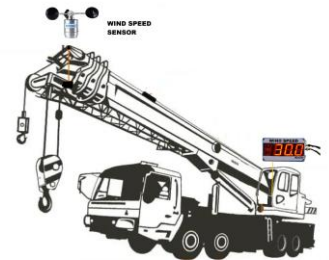 SMARTRECORD-04 7.1 inch.

SENSORS AND TRANSMITTERS

![SUNSUI PROCESS SYSTEMS logo]

Temperature Humidity

- Models: SMARTSENSE-THW/THD
- Operating Temp: THW – 0 to 60°C
            THD – -40°C to 120°C
- Accuracy: ± 0.5°C / ± 3% RH (10-90%RH)
- Outputs: 4-20mA / RS485 / Ethernet /O-1 Vdc
- Analog, digital and serial interface
- Best stability & repeatability
- Simple to operate and compact in size
- Excitation Voltage: 12/24 VDC

CO2 Transmitter

- Models: SUNSENSE-AVX-CO2
- Ranges: 0 to 5000ppm
- Accuracy: ± 50ppm
- Outputs: 4-20mA / RS485 / Ethernet
- Best accuracy and stability
- Analog as well as digital serial interface available.
- Resolution- 0.1 (0-999ppm) & 1 (Above 999ppm)
- Optional LCD display available
- Excitation Voltage: 12/24 VDC

CUP ANEMOMETER / WIND SPEED

- Models: OC-ANEMO-01
- Ranges: 0 to 50m/Sec.
- Output: 4 - 20 mAmp / RS 232 / RS 485 / Pulse
- Sensing with optical chopper wheel.
- Robust and long-term durability performance
- Accuracy 2% of FSD

Wind Direction Sensor

- Model: WV-01
- Ranges: 0 to 359°
- Output: 4 - 20 mAmp / RS 232 / RS 485 / Pulse
- Accuracy: ±1°
- Contactless Magnetic sensing.
- Robust and long-term durability performance

Temperature - RTD & Thermocouple

- Models: PT-100 / PT-1000
- Thermocouple - T/J/K/R/S Types
- Operating Temp: As per Std. Table
- Accuracy: As per Std Table
- Made as per Customer requirments
- Head type / Transition Type
- Best stability & repeatability

Tipping Bucket Rain Gauge

Pressure Transmitter

UNIVERSAL CALIBRATOR.

- Models: SUN-CAL-103B (Only Battery Operated)
  SUN-CAL-103MB (Mains + Battery Operated)
- Parameters: RTD/ 0-4-20mA / Millivolt / Milliamp
- Range (Source Sink): DC mV- 0.0 to 199.9mV
  DC mA- 0 to 25mA & RTD- -100 to +400ºC
- Resolution: mV-0.01 mV mA- 0.01 mA RTD- 0.1°C
- Accuracy: mV- ±0.1% of F.S.D mA- ±0.1% of F.S.D
- RTD- ±0.15% of F.S.D (0 to 400°C)
- Display: 4 ½ Digit LCD display.
- Additional 0 to 10VDC output signal and 24VDC
  sensor excitation for SUN-CAL-103MB model.

HAND HELD TEMPERATURE INDICATOR.

- Models: SUN-TEMP-UI
- Sunsui's Handheld universal temperature indicator which
  receives the input from the thermocouples and RTD
  (PT100) sensors and show the temperature reading on
  the Red LED 7 segment display.
- INPUT: Thermocouple J/K/R/S/T and RTD (PT100)
- DISPLAY: LED 7 Segment.
- SENSOR CONNECTION: 3 Pin round shell connector.
- BATTERY: 2 X AA (1.5V) Cells.

SINGNAL ISOLATOR.

- Models: SUNISO-230 / SUNISO-24
- Input: 0-20mADC, 4-20mADC, 0-5VDC ,0-10VDC,0-75MV,
  0-1Amp, 0-5Amp (AC/DC),0-230VAC-- factory settable input.
- Output: 4-20mADC, 0-5VDC, 0-10VDC or Any Customer
  defined factory settable output.
- Available in 230VAC and 24VDC.
- Available with Single / Dual / Three & Four
  factory settable outputs.
- Size: SUNISO-230 -- 70(H) X 45 (W) X 110 (D) mm
  SUNISO-24 -- 70(H) X 22.5 (W) X 110 (D) mm

Please reach out via following contacts

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