

## Universal Input Paperless Recorder



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**Models:** SmartPlot 43 UTL / SmartPlot 71UTL / SmartPlot 101UTL

**Basic Description:** Universal input data monitoring system with X.X inch colour Graphical display. The display shows graphical trends of each parameter, values in numerical format, and conventional analogue Meter format. Very high data storage with optional USB interface and MODBUS RTU interface.

**Specifications:**

**Intuitive Display:** X,X inch, high resolution, 64K colours, bright and wide viewing angle, TFT display with LED backlight to display the input channel information in various formats along with alarm status like:

Graphical trend of individual channel or all channels.

Analogue Meter display for individual channel

Bar Graph display

Numerical display with alarm status

**Input Channels:** 8 channel / 16 Channel Universal Input

**RTD Input:** PT100 / PT100

**Thermocouple Input:** K, J, R, S type

**Milliamp Input:** 4 – 20 mAmp / 0 – 20 mAmp

**Milivolt Input:** 0 – 2000 mVolt DC Input

**Voltage Input:** 0 – 5 VDC Input / 0 – 10 VDC Input / 0 – 20 VDC input

**Data Storage:** 4 MB / 8 MB internal Data Storage capacity suitable  
for storing around 60,000 samples per channel

**Logging Interval:** 1 Sec. to 1hour (User Selectable)

**Logging Types:** Continuous / Value Triggered / Time based

**Real Time:** Internal Real Time Clock with Battery Back Up

**USB (optional):** USB Host Port for connecting USB sticks and USB device port for interfacing PC to the logger.

**Relay / Alarm:** 4 potential free relays with grouping facility

**MODBUS RTU:** Optional RS485 MODBUS – RTU output for connecting multiple data loggers to common PC / PLC

**Sensor Excitation:** 24 VDC Sensor Excitation Output

**Operating Power:** 230V AC

**Application Areas:**

All type of process plants like – Oil & Gas, Power, Iron & Steel, Automotive, Water & Waste, Food & Pharmaceutical, Chemical & cement Industries, Paper Industry, Dairy & food industries, Horticulture & agriculture, Vulcanization, Blood Banks, cold storage etc.