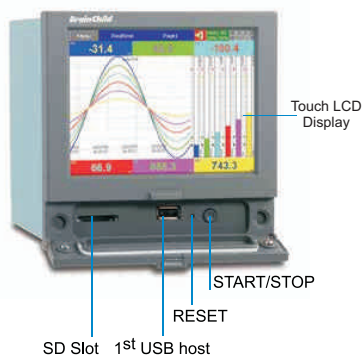# PAPERLESS RECORDER TOUCH SCREEN

Features :

- 4.3" Touch Screen
- Plus Versions - Math, External Channels, Batch, Counter, Totalizer, Custom Display, FDA 21 CFR Part 11
- Screen Saver, Email Option
- Standard PC Software Historical Viewer & Configuration

- Safety Standards - **CE, R0HS, cULus**

  CE : En61010-1(IEC1010-1) over Voltage category II, Pollution degree 2
- Protective Class : IP65 front panel for indoor use, IP20 housing and terminals
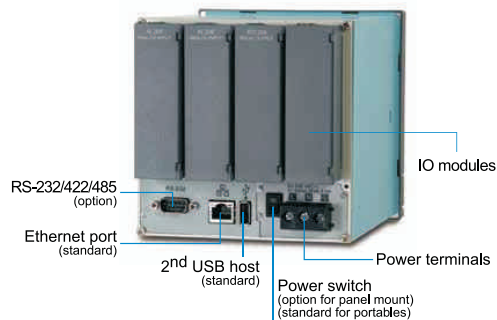
Specifications :

Display	4.3" TFT Touch Screen
Resolution	480 x 272
Input Channels	3, 6 Channels
True Universal inputs	mA, mV, V, T/C , RTD, Pulse,
The Fastest sampling Rate	100m/Sec, 1Sec..........................2mins
MTFB backlight at 25 ºC	30,000 hrs
Backlight	LED
A Faster CPU	ARM Cortex-A8, 1 Ghz
Internal Flash Memory/ Ram	256 MB
Ethernet	Modbus TCP/ IP
RS-232 / 422 / 485 Modbus	Optional RS-232 or RS-422 / 485 Modbus RTU
SD Card Slot, USB host x2	Standard, one USB in the front, another USB in the back
Pulse Input	DI card offering either logic or high frequency pulse counter **(Optional)**
START / STOP key	Quick start possible later
Calibration Correction	On-site calibration possible, or using handy features of offset and gain for correction
Extensive S/W Data Acquisition Studio	**Real-time Monitoring (Optional)**
Power Supply	90-250VAC or **Optional(Optional)**
Outer Dimensions (W x H x Lmm)	144 x 144 x 189
Shorter Mounting Depth (mm)	171
DIN Panel Cutout (W x H mm)	137 x 137
Protection	IP65 Front, IP20 Rear
Operating Temperature	0 ºC to 50 ºC
Storage Temperature	-30 ºC to 70 ºC
Standards	**CE Approved**

Front View, Back view

PR10 FRONT VIEW

Touch LCD Display

START/STOP

RESET

SD Slot   1st USB host

PR10 BACK VIEW

RS-232/422/485 (option)

Ethernet port (standard)

2nd USB host (standard)

IO modules

Power terminals

Power switch (option for panel mount) (standard for portables)
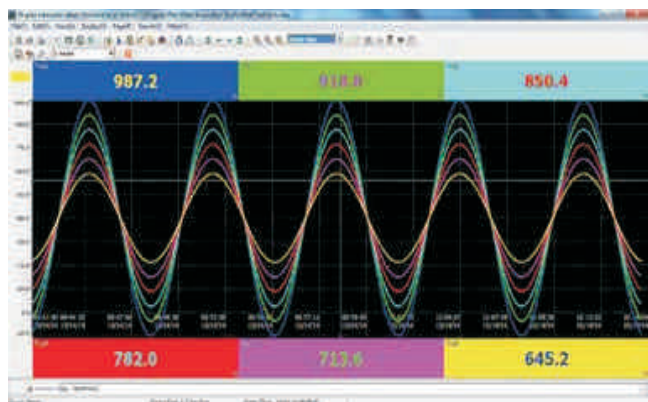
IO Modules Easy for Expansion

Portable Recorders Security Key

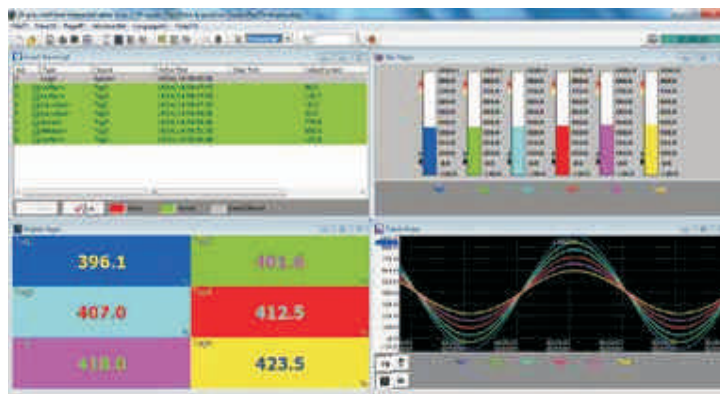## I. Historical Viewer (Standard Software)

It can display historical trends, historical alarms, events, and then print it. it can search data by time, time period, tag, alarm events and remarks, It also can export data in CSV format.

Extensive software Data Acquisition Studio (optional)
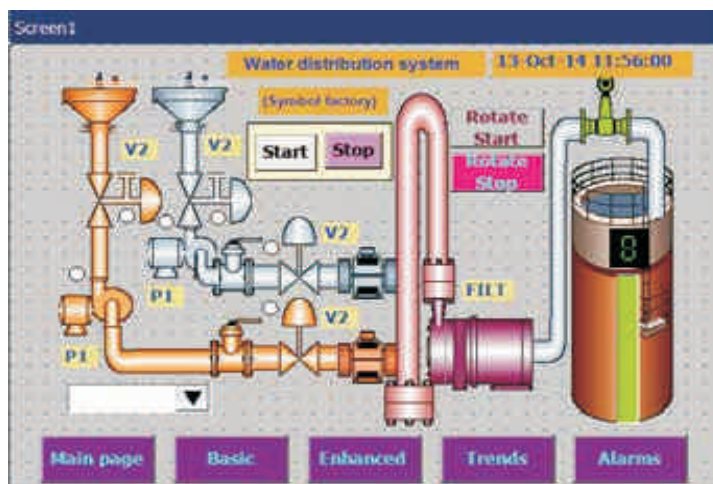
II. Realtime Viewer

Besides Configuration & Historical Viewer, it offers additional software real time viewer for real-time monitoring

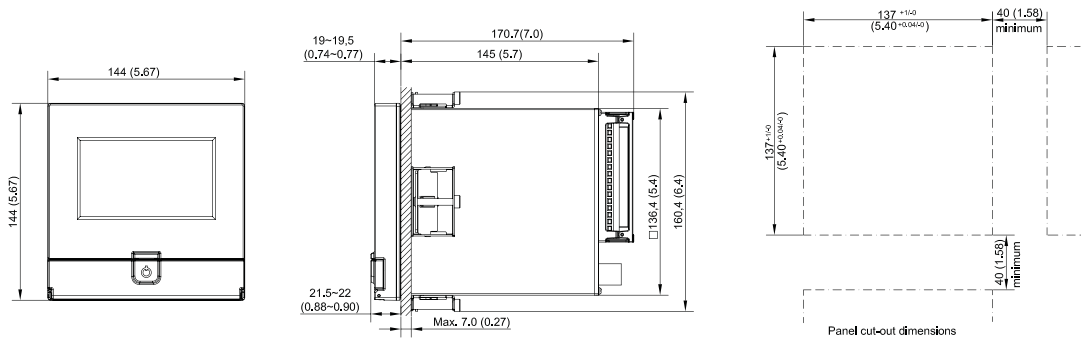## Customized Display Equal to HMI (Optional)

III. Panel Studio

It Plus version 2 or 3 of Firmware is purchased, additional software Panel Studio is offered for editing custom display. The users can use it to edit specific displays on PC first, and then download it onto recorders. The custom edited displays will be additional pages to standard ones.

Dimensions in mm (in)

PR10

144 (5.67)
144 (5.67)

19~19,5 (0.74~0.77)
170.7(7.0)
145 (5.7)
136.4 (5.4)
160.4 (6.4)
□136.4 (5.4)
21.5~22 (0.88~0.90)
Max. 7.0 (0.27)

137 +1-0 (5.40 +0.04-0)
40 (1.58) minimum
137 +1-0 (5.40 +0.04-0)
40 (1.58) minimum
Panel cut-out dimensions

PR10 ORDERING CODE

PR1003
(3 analog inputs)

Other inputs & outputs*
0: none
6: 3 relays + 3 DI

PR1006
(6 analog inputs)

Other inputs & outputs*
0: none
1: 6 relays
3: 6 DI
6: 3 relays + 3 DI
7: 6 relays + 6 DI

Power
A: 90-250 VAC, 50/60 Hz
D: 11-36 VDC

Communication
0: standard Ethernet
1: Ethernet + RS232
2: Ethernet + RS-422/485

Firmware
0: standard version
1: Plus version 1 with extra mathematics, external channels, batch & FDA 21 CFR part 11
2: Plus version 2 with custom edited display, an editing software Panel Studio to be supplied
3: Plus version 3 including Plus version 1+2 above

PC software
1: free basic software of Historical Viewer & Configuration
2: extensive software Data Acquisition Studio (RealTime Viewer + Historical Viewer + Configuration)

Mounting types, power cord & switch
0: panel mount, no power cord, no power switch
1: panel mount, no power cord, power switch
2: portable, UL & CSA power cord, power switch
3: portable, VDE power cord, power switch
4: portable, SAA power cord, power switch
5: portable, BS power cord, power switch
6: portable, GB power cord, power switch

Special options
00: none
S1: 16G SD card
S2: 32G SD card

Note: DI - digital inputs