Digital Paperless Recorders

Key Features of the Series.

- ¼ DIN size package.
- Microprocessor based accuracy.
- Alarm capabilities with relay outputs.
- 8 ch., 16 channel models.
- TABULAR/SCAN mode facilities.
- Addressable serial interface.
- Retain set up during power loss.
- Data storage for analysis using standard 80columns
printer with Series Diditherm9000L.

A unique data storage feature using dot-matrix printer provides a digital value records thus eliminating the maintenance cost involved with chart paper and pens. Using an 80 column or 132 column standard printers' data may be printed for a fix period of time. This feature makes it 21 CFR Complaint All the printing format and printing parameters can be programmed by front keypad. Our Soft were which helps to remove Graphs & Print the data in tabular form helps you in analyzing the data

Specification

- MountingMethod:-PanelFlush-mounted
- (STD)Material:-AluminumANODISED
- Power:230VAC+/-10%50Hz
- Usb Pen Drive Interface
- Power Consumption : - 50 Watt
- Input Signals : 4-20 mA, 0-20mA, 0-10VDC, 0-5VDC ,0-1VDC, RTD,   T/Cs: J,K,R,S,N,T.
- 3.5" 5.7" TFT (640 x 480 Pixels) 7.5" TFT (640 x 480 Pixels)
- 9.2" TFT (640 x 480 Pixels)
- 15 " TFT (800 x 600 Pixels).All size are Diagonally
- Burn Out Function : Equipped for T/Cs & RTD.
- Memory Capacity : 24 MB Max
- Expandable to 1000MB Max (Optional)
- Life of Backlit : - 50,000 Hrs
- Operating Conditions: - 0 to 50Deg C & 0 to 80% RH
- Printer Port : (Optional) Parallel Port
- Analog Input resolution : - 16 Bit
- Touch Screen : - Optional in 5.7" TFT (640 x 480) 7.5" TFT (640 x 480 Pixels) 9.2" TFT (640 x 480 Pixels)
- EMC Standard : - Compiles with EN61326-1& CE approval(optional)
- Real Time Clock (RTC) Display On the front Screen
- No. Of inputs: 8, 16 IN CASE Of Digitherm 9000L

Benefits

Eliminates costs by removing pens, paper and maintenance associated with paper recorders & can be used in offline mode.

Improve productivity through efficient data transfer to PC's and spreadsheet programs.

Optimize management of recorded information.

General:

Power: 230VAC +/-10% 50 Hz

Display: Standard 3.5" Touch Screen color LCD Screen.

Communication (optional): RS-2332C or RS-485 multidrop. MODBUS protocol.

Facilities: tabular/Scanning mode, Channel skips.
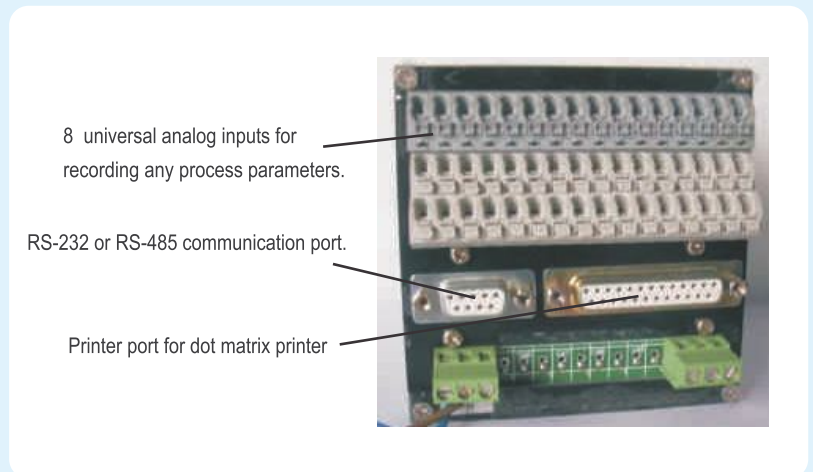
Operating temp. 0-55° C, 90% Rh Max.

Memory: EEPROM.

Connections: D connector with extended terminal board having screw type terminals.

Color Change once PV Crosses the Set Value

Input types and ranges

Input	Sffx	Range	Resolution
J	-J	-100-1100° C	1°C
K	-K	-150-1200° C	1°C
T	-T	-100 -250°C	0.1°C
R	-R	Amb-1500°C	1°C
S	-S	Amb-1500°C	1°C
N	-N	-250 - 1200°C	1°C
RTD	-R1	-200 TO +300°C	0.1°C
0-5 VDC	-V	Scalable	1 Digit
0 / 4-20 mA	-1	Scalable	1 Digit

8 universal analog inputs for recording any process parameters.

RS-232 or RS-485 communication port.

Printer port for dot matrix printer

Outputs

Relay: 2; For High / Low alarm. Optically isolated relay contact rated 230VAC @ 5A resistive load.

Performance:

Accuracy: +/- 0.15% F.S.

Set point Resolution: 0.1/ 1 count (Programmable in case of 4-20mA.0 to 20Ma,0 – 10 Vdc.

Input sampling: 1 channels / second.

Application Area

- Dairy equipments
- Sugar Industries
- Boilers.
- Chemical and Pharmaceutical Process Industries.
- Breweries.

Subject to change without prior notice.   As continuous improvements are contemplated the illustrations and descriptions are not binding,