

SPECIFICATION OF DIGITAL TEMPERATURE RECORDER

Display Type	: Color Active Matrix TFT Liquid Crystal Display or Better
Size	: Minimum 3.5 inch diagonal, Resolution: Minimum 320 (W) x 240 (H) pixels.
Interface	: Resistive analog touch screen control
Display Modes	: Graphic trending (horizontal), Bar Graphs(Vertical) Digital Readout (Single or multi-channel), Alarms and event log settable.
Historical trends	: In PC Software.
Display Windows	: Time/Date, Graphics (bars, large digital, graph) Disk Status, System Status, Menu Button Bar, Alarms/ events.
Communications Network	: 10/100 Base T Ethernet standard (Optional). Modbus over Ethernet server
Serial	: Isolated RS485/RS232 for PC Interface.
Parallel Port	: Isolated Dot Matrix Printer port Interface.
USB Port	: Isolated USB 2.0 host for connecting Memory stick USB Hard disk.
Power Requirements	: 100 to 240 Vac, 50/60Hz. 20 VA max.
Power Fail Protection	: Programmed parameters stored in non-volatile memory. Clock battery backed. Clock battery to be replaced once in 5 Years , one 3V Lithium cell easily replaceable.
Transmitter Power supply Output	: Optional isolated 24Vdc@120mA Output.
Input/Output Relay Output	: 2 relay outputs, (normally open, Close & pole contacts) rated at 30 Vdc @ 0.5A or 230Vac @ 5Amp Max.
Safety and Environmental	
Operating Range	: 0 °C to 50 °C, 10% to 80% RH non-condensing.
Dimension	: Minimum 110(W) x 101(H) x 16mm above panel
Panel Cutout	: Minimum 92 x 92 mm
Protection	: IP65 for front bezel when mounted in panel.
Safety	: Meets the requirements of EN61010-1 when installed in accordance with the instructions in the manual.
EMC	: Meets the requirements of En61326 and CE directive 89/336/EEC.
Recording Rates	: User programmable from 1 sample per second to 1 sample every 10 hr
Data Format	: Txt file; can be easily openable by variety of softwares.
Data Storage Capacity	: 512 kb internal memory and this data can be Easily moved to memory stick connected to USB Port.


 प्रकाश चंद्र यादव / Dy. Manager
 एन.एन.एल. (सिफ्टीयन) / ENX (TPTN)
 बी.एच.ई.एल., भोपाल / BNEL, BHOPAL

Pre Qualification Criteria (PQC): INDENT NO. 830491027

4. Vendor should be OEM OR

Authorised dealer. In case of authorised dealer a valid authorisation certificate from OEM should be submitted with offer.

2. Vendor should have supplied at least one no. of 8 Channel or more Digital Temperature Recorder. The proof of such supply should be submitted with the offer.


प्रकाश यादव / PRAKASH YADAV
रूप प्रबंधक / Dy. Manager
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