

18 CHANNEL THERMAL ARRAY RECORDER
FOR MAT CODE ZWI310102014
INDENT NO. 20142880

TECHNICAL SPECIFICATIONS:

1. 18 CHANNEL THERMAL ARRAY RECORDER composition and technical data is given below:

- 18 channels
- Universal inputs
- DC Voltage, TRMS AC+DC, Frequency
- 16 logic channels
- Colour LCD TFT screen (12")
- 270mm paper width
- Internal hard disk:80 Gb
- Interfaces : USB, XGA, Ethernet
- Direct mode bandwidth : 100 KHz
- DC voltage ranges : 1mV to 1000 V
- Max offset : ± 5 ranges
- Accuracy : $\pm 0,1\% \pm 10 \mu V \pm 0,1\%$ offset
- TRMS AC+DC : 200 mV to 500 V
- Bandwidth (-3dB) : 5Hz to 500Hz
- Analog input bandwidth (-3dB):
 - Range 1V: 100 KHz
 - Range 50mV-1V: 50 KHz
 - Range < 50mV: 20 KHz min

- Programmable filters : 10Hz, 100Hz, 1 KHz, 10KHz
- Input impedance (DC) : >25M Ω for range <1V & 1M Ω for upper ranges

- Maximum input voltage between one channel and the frame ground $\pm 500V$
- Between 2 terminals of one channel: $\pm 500V$
- Isolation between frame ground and channel : >100M Ω at 500VDC
- Logic Input Channels: 16
- TTL - Max voltage:24V
- Available functions: Triggering acquisition on alarm triggering on logical words acquisition in memory mode 4, 8, 16 channels paper trace
- Alarms : 3 (2 TTL, 1 relay)

2. GENERAL SPECIFICATIONS, RECORDING & TRACES

- Paper width : 270 mm
- Paper speed : direct mode : 1mm/h up to 200 mm/s
mixed mode: 1mm/h up to 50 mm/s
external control : 50 mm/s
- text mode : from 1 line/s to 1line /hour

Handwritten signature
(Unmesh Dutt)
SPD (OFF)

- Resolution and accuracy:
 - Y axis: 8 dots per mm
 - Y axis: 16 dots per mm up to 50 mm/s and 8 dots for higher speed
 - XY mode: 8 dots per mm Accuracy in relation to graticule: 0,01%
 - Graticule: 5 pre-programmed graticules
 - Display: TFT LCD colored screen 12 inches
 - Automatic measurements: 20 automatic measurements (F, T, Vpp ...)
 - Setup backup: 16 named in RAM, unlimited on the hard disk
 - Internal hard disk: 80 GB.
 - Interfaces : 4 USB ports, VGA, Ethernet
 - Power supply: 100VAC to 254 VAC, 50Hz/60 Hz Max.
 - Operating temperature range: 0°C to 40°C
 - Storage temperature range : -20°C to 60°C
 - Max. RH: 80% (without condensation)
 - Warranty period: 1 year
3. The party should provide guarantee/warrantee minimum for one year from the date of commissioning.

SCOPE OF SUPPLY:

18 CHANNEL THERMAL ARRAY RECORDER		
Sl	Item Description	Qty
1	18 CHANNEL THERMAL ARRAY RECORDER	1No.
Accessories Item Description		
1	THERMAL PAPER ROLLS	10Nos
2	CARRYING CASE	1No
3	PC compatible software (basic) and other software for data calculation and analysis	1No
4	Ethernet cable with extra length	1No
5	Isolated logical channels adaptor	1No
6	Set of Test Leads for input signals measurements	1Set

Umesh
 (Umesh Dutt)
 SDGM (APP)


Pankaj
 Pankaj Gupta
 AGM (DFP)

Indent No.20142880

Qualifying Conditions (PQR)

1. Vendor should be an original manufacturer or authorized dealer.
2. Printed catalogue with clear dimensions and clear picture to be provided along with offer.
3. (i) Vendor to submit self-verified declaration on company's letter head with proper signature and seal stating that vendor has been manufacturing and supplying the offered items to various customers for last 3 years from the date of tender opening.

(ii) In case of authorized dealer, dealer must submit certificate of dealership authorization along with manufacturer's self-verified declaration as mentioned at point no.3 (i).


(Unnati Dutt)
SDM (DFP)


(Pankaj Gupta)
AGM (DFP)