

# GOVT. COLLEGE OF ENGINEERING, KARAD

Dist. Satara, Maharashtra, India Pin-415 124.

Te. No.91-02164-271711,27414, 27415

Fax No.91-02164-271713

Website : www.gcekarad.ac.in

No. : GCOEK/Store/2023/ 1049

Date: 9 MAR 2023

To,

College website / Notice Board

## QUOTATION- ( for Mechanical Engineering )

**Sub : Quotation for following material. ( Due Date 16.03.2023)**

**Sealed Quotations** are invited from eligible and interested manufacturers/ dealers/distributors/ suppliers for the following items on the terms and conditions mentioned below.

Sr. No	Particulars	Qty	Rate Per No.	GST %	Total Cost per No. / Set
1	Data Acquisition System Detail scope of supply is as per enclosed sheet	01			

### **Terms & Condition**

1. The quotation should be sent to "The Principal, Government College of Engineering, Karad"
2. Quotations will be opened at 11.00 A.M. on 17.03.2023.
3. Mention make / model no., warranty & delivery period of equipment quoted.
4. Quotation validity for at least 45 days from the date of opening.
5. Delivery at F.O.R. Workshop , Govt. College of Engineering Karad.
6. Delivery period 2 weeks from date of supply order.
7. 100% payment after satisfactory delivery.
8. No extra charges will be paid for cartage etc. the material rejected and replaced.
9. After delivery quality conformance undertaking of equipment/machinery
10. The undersigned reserves the right to accept or reject any offer or all offers The without assigning any reason thereof



For Principal

Dr. R.K. Shrivastava, HOD Mechanical Engineering

**Specifications:**

DIGITAL UNIVERSAL INPUT SCANNER CUM RS232 -USB DATALOGGER-32 CHANNEL  
Internal scanner provides 32 measuring channels as standard and is Extensible to a maximum of 96 channels

Composes of universal input A/D modules , the largest transmission distance: 50 mtrs  
Suitable for static lab and field applications

Readings directly in selected measurement units

SCANS EACH CHANNEL ONE BY ONE ON LCD BUT TRANSFER

DATA FOR ALL THE CHANNELS SIMULTANEOUSLY ON PC BASED SOFTWARE IN THE SELECTED SAMPLING RATE

METAL HOUSING WITH POWDER COATINGS

FRONT ENDED KEYPAD FOR ZERO/TARE AND ENTERING CALIBRATION FACT

**TECHNICAL SPECIFICATIONS**

Input : T -TYPE THERMOCOUPLES, PT -10, 0-5V, -10 V, 4-20m A signals

Resolution: 22 bits

channels (single module) 32

Tolerance  $\pm 0.3\%$  FS $\pm$

Scanning speed Max 2 samples per sec for STATIC TEST.

LCD backlit Alphanumeric indication of the output measured values

Long wire automatic compensation.

16-bit dual D / A auto-balance.

Suitable for testing in STATIC MODE only

Interface : PC serial Interface RS-232, 9-pin D - Connector

Sensitivity  $\pm 0.02\%$  FS/ $^{\circ}$ C

Temperature/Humidity Operating Temperature :0 to 60 $^{\circ}$ C;

Independent time-base for each sensor input channel or test

Battery backed internal real time clock

Secure data with internal non volatile memory storage.

Comprehensive computer software package included

Local control via keypad and display

Password protection

Windows communications and data logging software suitable for Windows 98SE, Me, 2000, XP, Vista, Windows 7 and 10

Up to 4,000,000 readings capacity available Custom sensor input connectors in USB FLASH DRIVE.

IP rating: IP65

Calibrated to Manufacturer's standards (no certificate)

Operating Humidity: 20 to 80% RH

Power Supply AC:220V50Hz/0.5A; DC: 12 to 40V

Dimensions WIDTH(10"),HEIGHT(3.8 INCH), DEPTH 20 INCH

Input/Output Type Input:4-Pin Metal circular Socket ; Output: BNC

Weight 2.5Kg single module (32 channels) Long

wire automatic compensation

**PC BASED REAL TIME SOFTWARE SPECIFICATIONS**

Software Features Comprehensive data acquisition software is supplied with Impact 32 channel data loggers. The user friendly windows based software handles all control, download and review, archiving and exporting functions. The graphical user interface gives a complete live data display of all channels

The user can set up any combination of channels in test sets. Recorded data can be exported directly into your Excel spread sheets and templates or as a Comma Separated Variable (CSV) file. Data can be both reviewed and printed in graphical formats. Complete data test sets can be printed

SUPPLIED WITH Accessories : input/output cable: one/CH , Accessories Power supply cable:1  
RS-232 serial Cable-1 No. Calibration chart , Software series CD- 1No.

