

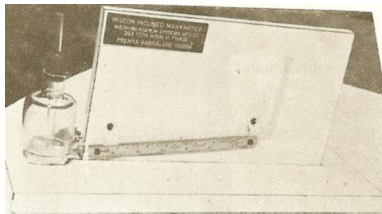


# MANOMETER

## IEICOS MANOMETERS U TUBE MANOMETERS

IEICOS Manometers consist of glass tube bent in the form of elongated U and can be filled by users either by water/mercury.

IEICOS Manometers are backed with metric scales and are mounted on a powder coated metallic finished box with top transparent cover. These are available in 1m and ½ m lengths.

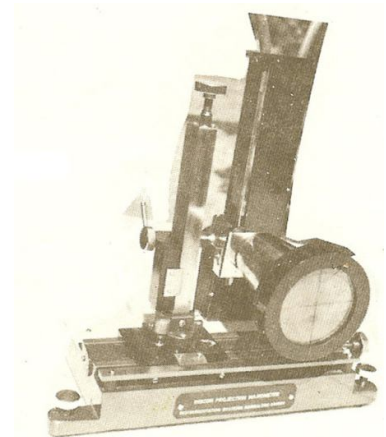


## IEICOS INCLINED MANOMETERS

IEICOS Inclined Manometers are precision manometers that give an improved accuracy and Resolution. The angle of manometers is so designed to give direct reading on the metric scale provided. Range of the Manometer is 15mm with Resolution 0.1mm.

## IEICOS PROJECTION MANOMETER

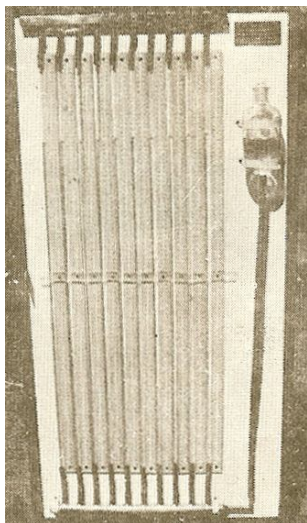
IEICOS Double Precision Projection Manometers are very small resolution Manometers. The Resolution is of the order of 0.01m and the measuring range is 15cm. The Projection Manometers comprises of a light source placed behind the water column which projects the level wire reference on the screen is used to set the measuring point, and the reading are taken on a vernier scale.



## IEICOS MULTITUBE MANOMETERS.

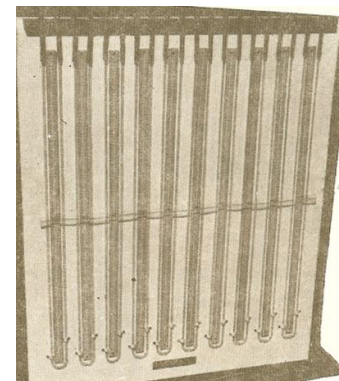
IEICOS Multitube manometers are special purpose manometers are used for pressure gradient studies in models. It contains a reservoir which holds the manometers liquid which is connected to a glass tube atmosphere. The Multitube manometers are also provided with a fitting mechanism with a graduated scale to know the angle of flit. Thus the resolution and accuracy can be improved by fitting the manometer.

A set connectors suitable to inter link 10 Manometer tube with piezo metric tappings of Models with flexible small tubes of length 2m each (10 Nos.) are also provided.



## IEICOS MULTI MANOMETER

IEICOS Multi-manometer is a set of 10 Manometers stacked on a same board with individual scales. These are for multipoint pressure measurement and are fixed on a Formica sheeted board.



## IEICOS DIGITAL PRECISION MANOMETERS

IEICOS Digital Precision Manometers for pressure measurement. These provide a latest state-of-the-art alternative to conventional type Manometers.

These precision manometers comprises of a semiconductor sensing pressure transducers with a digital read out.

These manometers provide direct digital display of the reading in mm of water column and can also be calibrated in other units – psi, kg/cm<sup>2</sup>, bar, mm of Hg etc. on request



**IEICOS Digital Manometers (Desktop model) with bright LED 3 ½ Display, measures gauge pressure and differential pressure**

Range: 0 to 1000 mm water column Resolution 1mm  
Range: 0 to 10000 mm water column Resolution 10mm  
Range: 0 to 5 psi Resolution 0.01 psi  
Range: 0 to 15 psi Resolution 0.01 psi  
Range: 0 to 30 psi Resolution 0.1 psi  
Range: 0 to 100 psi Resolution 0.1 psi

**Hand Held Digital Manometers with LCD Display, selectable pressure units, measures gauge and differential gauge**

Range: 0 – 5 psi  
Range: 0 – 15 psi  
Range: 0 – 30 psi  
Range: 0 – 100 psi

**PRESSURE UNITS:** Select from one of **11 units** - bar, mbar, psi, kPa, inHg, mmHg, ozin<sup>2</sup>, inH<sub>2</sub>O, ftH<sub>2</sub>O, cmH<sub>2</sub>O, kgcm<sup>2</sup>.

**Features:** Hold data, record, Max / Min, Backlight features.

**Accuracy :** +0.3% of full scale at +25°C.

**Repeatability :** +0.2% (Max. +/-0.5)% FSO.

**Response Time :** 0.3msec.

**Combined linearity & hysteresis :** +0.2 (Max +1.0)% FSO.

**\*Exceeding Maximum Pressure will cause permanent sensor damage.**

**Optional:** RS-232 Output.(Software & Cable Optional).



*Mechanical Dimensions, location of Components, Controls and Panel Meters may be changed without notice to incorporate latest state of the Art of Technology.*

### **MANUFACTURERS OF:**

ELECTRONIC MICROPROCESSOR BASED DIGITAL INSTRUMENTS, SYSTEMS AND TRANSDUCERS FOR MEASURING, RECORDING, PRINTING, TESTING, PROCESS AND QUALITY CONTROL, ANALYSIS, EVALUATION, SIMULATION OF TORQUE SPEED, POWER, PRESSURE, STRESS, STRAIN LOAD, FLOW LEVEL, DISPLACEMENT, VIBRATION, SOUND TEMPERATURE, HUMIDITY, ELECTRICAL PARAMETERS, DYNAMOMETERS FOR TESTING AND EVALUATION OF MACHINE TOOLS, ROTATING MACHINERY, LOADING FRAME WITH ELECTRONIC DATA LOGGERS FOR STRUCTURAL STUDIES IN THE FIELDS OF : INSTRUMENTATION, MECHANICAL ENGINEERING, PRODUCTION TECHNOLOGY, FLUID MECHANICS/HYDRAULIC LABORATORY, CIVIL/STRUCTURAL ENGINEERING, ELECTRICAL/ELECTRONICS ENGINEERING IN EDUCATION, R & D, INDUSTRY AND DEFENCE INSTITUTIONS.

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