

# Linear Variable Differential Transformer (LVDT)

Type

Image

Technical Specification

AC to AC



## Linear Displacement Transducer

- Application – Linear position measurement
- Excitation voltage – 2-10 V AC/DC
- Stroke – 5 mm to 500 mm
- Hysteresis (mm) - 0.25
- Repeatability (mm) - 0.08
- Linearity (% FS) -  $\pm 0.05 / \pm 0.10$
- Material of construction – SS / Aluminum
- Housing – Suitable housing provided
- Protection – IP-66
- Operating temp. Range ( $^{\circ}\text{C}$ ) -  $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$

DC to DC



Digital Indicators

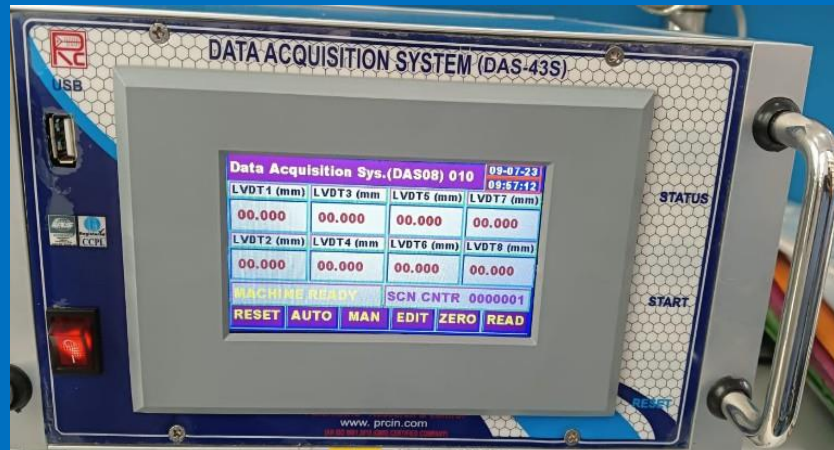


## Digital Displacement Indicators

- ❖ Application- Linear measurement
- ❖ Display- 5 / 6 Digit 7 Segment display.
- ❖ Inputs- LVDT
- ❖ Calibration- Auto Calibration
- ❖ Output- 2 Set point Relay output / 1 Relay output
- ❖ Protection- Against Over travel
- ❖ On Screen display- Displacement
- ❖ Function mode- Unit conversion & Peak hold function
- ❖ Keypad- 4 keys to enter parameters.



# DATA ACQUISITION SYSTEM (DAS-8S)010



## DATA ACQUISITION SYSTEM (DAS-8S)010

HMI based PRC Data Acquisition System (DAS-8S)-010 is design to monitoring and collecting the real time data i.e. load, pressure, displacement, deflection of a steel and concrete structure & soil during the mechanical & civil construction or load testing.

“HMI” based indicator, includes the electronics required to signal and control the state of industrial automation equipment. These interface products can range from a basic LCD indicator to a 20-inch TFT panel with touch screen interface. HMI applications require mechanical robustness and resistance to water, dust, moisture, a wide range of temperatures, and, in some environments, secure communication. They should provide Ingress Protection (IP) ratings up to IP65, IP67, and IP68.

### Special Features:

- Touch Screen HMI display with key pad to set testing parameters as per requirement.
- Multi-channel from 8 to 32 LVDT use for monitoring
- HMI display shows real time test parameter
- Test Data save in Excel format in inbuilt memory
- USB port to connect pen drive to transfer data for further analysis
- RS 232 port for computer interface
- Window base software on lab view platform for graphical presenting (Time V/s Deflection) on computer

### Contact us:

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