

Model 4215C-LVDT: Advanced Digital LVDT Smart Indicator

The Model 4215C-LVDT Advanced Digital LVDT Smart Indicator is an intelligent microprocessor-based instrument designed for the measurement and control of dual channel LVDT (Linear Variable Differential Transformer) measurement fixtures. It combines two simultaneous sample LVDT channels, print capabilities and RS 232/485 serial communication into a versatile platform that can be customized to deliver the most powerful and affordable instrumentation in its class.



The Model 4215C-LVDT Advanced Digital LVDT Smart Indicator provides all excitation and signal conditioning necessary to operate dual LVDT expansion measurement fixtures. The average extension is computed automatically and displayed. The unit also features analog outputs, limit switching, individual unit conversion and a two-line display. Factory options support mixing and matching of strain gauge and LVDT sensor inputs.

Whether you are upgrading an existing system or implementing a new one, the Model 4215C-LVDT brings you the accuracy, reliability, and repeatability needed to meet the most demanding applications.

Standard Features:

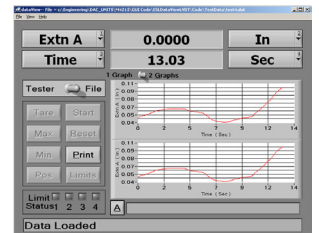
- Fully Bipolar Range +/- 999,999 display
- 24-bit resolution
- Linearity 0.05%
- Two channel *Simultaneous* read
- 2-line X 20-character vacuum fluorescent display
- Plug and Play TEDS-Tag® Auto LVDT Identification
- User input text label on second line of display
- Auto setup for 25 Model 4215C-LVDT units
- Functions include: peak / valley / hold / tracking / peak reset
- Quad limits output: independent, isolated solid state relays control AC or DC signals
- Six user-selectable filters
- Tri-state limit display: on, off, disabled
- Automatic display unit conversion: in, cm, %
- Dual output: +/- 10V std; +/- 5V, 0-5V, 0-10V std. per request
- Direct analog amplifier output
- RS485 std. upon request
- Full operation and calibration via RS232
- 5-point linearization
- Includes sum, difference, average of two channels
- Analog output + RS232 ASCII Commands
- USB Communications Port

Optional Features: (Not Included)

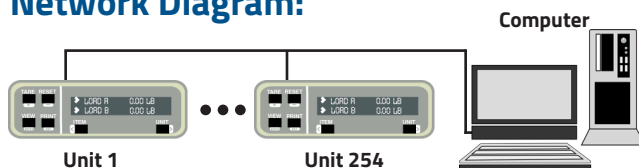
- 4 - 20 mA output
- Rugged carry handle
- **dataView-LVDT** Software
- Custom-programmed math functions & algorithms
- Communicate with up to 254 Model 4215C-LVDT units on a single serial communication bus!
- DC strain gage channel (s)
- Quadrature encoder channel (s)
- Ethernet Modbus Connectivity (See Cat. No. 538959)

dataView-LVDT Software Ready! (Not Included)

- Standard unit is **dataView-LVDT**
- Ready for graphical user interface and connection to PC.
- **dataView-LVDT** software operates at full speed for single and dual-channel real time data acquisition.



Network Diagram:



(Model 4215C-LVDT) (Model 4215C-LVDT)

The Model 4215C-LVDT Smart Indicator connects to a wide variety of LVDT's and strain gage transducers.

