



Model 4215 Series Smart Indicators

The Model 4215 is an intelligent microprocessor based instrument designed for the measurement and control of strain gage transducer based systems. It combines force channels, encoder position channels, print capabilities, and RS 232/485 serial communications into a versatile platform that can be customized to deliver the most powerful and affordable instrumentation in its class.

The Model 4215 is compatible with most tensile testers, load cells, extensometers, torque transducers, pressure sensors and position encoders.

Whether you are upgrading an existing system or implementing a new one, the Model 4215 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.
- Nonlinearity 0.005%.
- 2-line X 20-character vacuum fluorescent display.
- TEDS-Tag® Auto Load Cell Identification.
- User input text label on second line of display.
- Auto setup for 25 load cells.
- Front panel shunt calibration with two selectable resistors.
- Functions include: peak / valley / hold / tracking / peak reset.
- Quad limits output: independent, isolated solid state relays, controls AC or DC signals.
- Six user selectable filters.
- Tri-state limit display: on, off, disabled.
- Automatic display unit conversion: Lb, Kg, N, Psi, Mpa, Klb, Kn, t.
- D/A output: +/-10V std; +/-5V, 0-5V, 0-10V std. per request
- Direct analog amplifier output.
- RS-232/RS422/RS485 communication standard.
- Full operation and calibration via RS232.
- 5-point linearization.
- Quadrature encoder channel for position and rate readout.
- Single channel unit has two-line operation for simultaneous display of two quantities.

Available Features:

- 4 - 20 mA output.
- Rugged carry handle.
- Two channel option available.
- Two channel units are standard with simultaneous read.
- Two channel unit has two independent lines of 20 character display for simultaneous viewing of both channels (std for 2-ch unit).
- USB Communications Port.
- 10-Point Linearization
- Second D/A Output

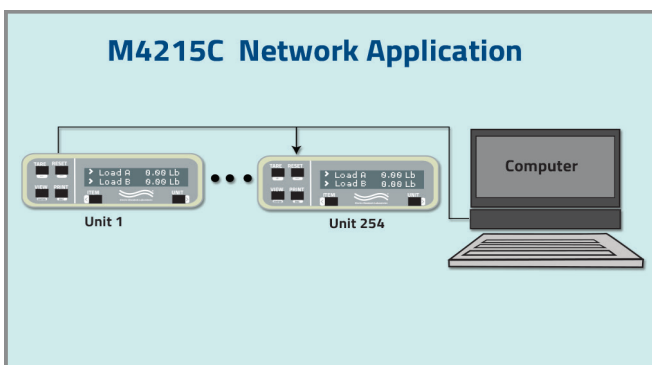


dataView Software Ready!

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

See dataView spec, Cat No. 511040

M4215C Network Application



The Model 4215 Smart Indicator connects to a wide variety of tensile testers, extensometers, torque transducers, and other strain gage transducers.