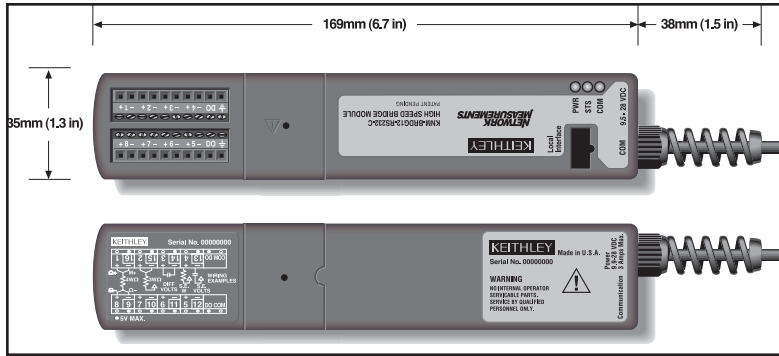


SmartLink Instruments

Compact Miniaturized Instruments



Our compact SmartLink instruments make lab-grade measurements possible in the field or on the factory floor. These instruments connect directly to complex signals and sensors; collect, process, and store sensor input data; and link directly to your computer or network.

FEATURES

- Instrument-grade measurements in a miniature package (1.3" x 6.7") (35mm x 169mm)
- Compatibility with most common sensors and signals
- Built-in signal processing and mathematical analysis
- Data acquisition at up to 300Hz
- Onboard storage of up to 15,000 readings
- Up to 8 diff/16 SE analog channels per instrument
- Sensitive measurements at the signal source
- Real-time diagnostics
- Periodic self-calibration
- Ethernet, RS-232/422, RS-485, PCMCIA, and modem communication

SmartLink Instruments Selector Guide

Model (single/multi ch)	Sensors Measured/ Signals Accommodated	Applications	Key Attributes	Accuracy & Resolution	Analog & Digital I/O
KNM-DCV11, 12 High-speed DCV & ohms measurement system	<ul style="list-style-type: none"> • DCV, DCI, 4–20mA • RTDs, thermistors, ohms • Pressure, flow, & weight transducers • Humidity, RPM • Counter/timer 	<ul style="list-style-type: none"> • Process monitoring • Production test • Transient analysis • Frequency, event, pulse width, vibration analysis 	<ul style="list-style-type: none"> • 31k readings/s burst • External trigger 	<ul style="list-style-type: none"> 0.1% 16 bits 	<ul style="list-style-type: none"> AI: 1/4 DIO: 2/4 Recorder output
KNM-DCV31/32 Precision DCV & ohms measurement system	<ul style="list-style-type: none"> • DCV, DCI, 4–20mA • RTDs, thermistors, ohms • Pressure, flow, and weight transducers 	<ul style="list-style-type: none"> • Product reliability testing • High accuracy data acquisition • Production test 	<ul style="list-style-type: none"> • 15 readings/s • High accuracy 	<ul style="list-style-type: none"> 0.005% 20 bits 	<ul style="list-style-type: none"> AI: 1/8 DO: 2/2
KNM-DCV41/42 Precision isolated (1500V) DCV & ohms measurement system	<ul style="list-style-type: none"> • DCV, DCI, 4–20mA • RTDs, thermistors, thermocouples, ohms • Pressure, flow, and weight transducers 	<ul style="list-style-type: none"> • Product reliability testing • High accuracy data acquisition • Production test in hostile environments 	<ul style="list-style-type: none"> • 15 readings/s • 1500V isolation to com • 400V inputs 	<ul style="list-style-type: none"> 0.005% 20 bits 	<ul style="list-style-type: none"> AI: 1/6 DO: 1/1
KNM-RTD31/32 Precision RTD interface	<ul style="list-style-type: none"> • RTDs • Ohms 	<ul style="list-style-type: none"> • High accuracy temperature monitoring 	<ul style="list-style-type: none"> • 7 readings/s • High accuracy 	<ul style="list-style-type: none"> 0.02°C 20 bits 	<ul style="list-style-type: none"> AI: 1/8 DO: 2/2
KNM-TC41/42 Isolated thermocouple interface	<ul style="list-style-type: none"> • Thermocouples • Millivolts 	<ul style="list-style-type: none"> • High accuracy, high temperature monitoring 	<ul style="list-style-type: none"> • 15 readings/s • 1500V isolation to com • 400V inputs 	<ul style="list-style-type: none"> 0.5°C 20 bits 	<ul style="list-style-type: none"> AI: 1/6 DO: 1/1
KNM-THD01/02 Temperature, humidity, & dew point system	<ul style="list-style-type: none"> • Temperature • Humidity • Calculated dew point 	<ul style="list-style-type: none"> • Environmental monitoring • HVAC verification • ISO 9000 verification 	<ul style="list-style-type: none"> • 7 readings/s • Onboard sensors 	<ul style="list-style-type: none"> 0.5°C 0.01°C 	<ul style="list-style-type: none"> AI: 2/4 DIO: 0/4
KNM-THM31, 32 Precision thermistor	<ul style="list-style-type: none"> • Thermistors • Ohms 	<ul style="list-style-type: none"> • High accuracy temperature monitoring 	<ul style="list-style-type: none"> • 7 readings/s • High accuracy 	<ul style="list-style-type: none"> 0.03°C 20 bits 	<ul style="list-style-type: none"> AI: 1/8 DO: 2/2