LR8511 - Exclusive Academic Offer > WIRELESS UNIVERSAL UNIT

Logging Multi-point Data Has Never Been So Easy with a Wireless Data Logger.

Rating: Not Rated Yet
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ManufacturerHioki

Description

Overview

Hioki Memory HiLoggers are high-speed data loggers for recording multiple channels of voltage, temperature, resistance or humidity signals, some models providing complete isolation between channels and strong noise resistance. The Hioki LR8511 is a wireless, 15-channel universal input module for measuring voltage, temperature, humidity or resistance, utilizing Bluetooth® wireless technology to send measured data to the Hioki LR8410 Wireless Logging Station.

Key Features

• This is a input module to capture logging data using Bluetooth® wireless technology. Install logging modules in hard-to-reach locations (over line-of-sight distances of up to 30 meters *1) (*1) The presence of obstructions may shorten this range
• Choose an input module based on the parameters you wish to measure (15-channel type)
• Easily add up to 7 input modules wirelessly to keep your environment free of tangled wires (for a total of up to 7 modules for the LR8410 main unit, max. 105 channels when using 15-channel modules)
• 100 msec simultaneous sampling across all channels using rapid scanning method

Specification:

Supported model	Model LR8410-20

Control and communications	Between instrument and unit: Bluetooth® 2.1 + EDR, Communications range: 30 m (98.43 ft), Security: SSP
Measurement parameters	[No. of channels] 15 analog channels; isolated scanning method input (4 terminals: push-button type) [Voltage] ±10 mV to ±100 V, 1-5 V f.s., max. 500 nV resolution [Temperature: Thermocouples] -200 ?C to 2000 ?C (depends on sensor), Thermocouples (K, J, T, or other), max. 0.01 ?C resolution [Temperature: Pt 100, JPt 100 sensor] -200 ?C to 800 ?C, max. 0.01 ?C resolution (not isolated between channels) [Resistance] 0 ? to 200 ? f.s., max. 0.5 m? resolution (not isolated between channels) [Humidity] 5.0 to 95.0 % rh (use with optional sensor), 0.1 % rh resolution (not isolated between channels) [Max. rated voltage between isolated input channels] 300 V DC [Max. allowable input] ±100 V DC [Max. rated voltage from isolated terminals to ground] 300 V AC, DC
Operating temperature	-20 °C to +60 °C (-4 °F to 140 °F)
Power supply	[AC adapter] Using the AC adapter Z1008 (100 to 240 V AC, 50/60 Hz), 23 VA Max. (including AC adapter), 7 VA Max. (exclusive of AC adapter) [Internal battery] Using the Battery Pack Z1007 (optional accessory), 24 hours of continuous use (at 100 ms recording interval, 23 ?C reference data), 120 hours of continuous use (at 1 minute recording interval, 23 ?C reference data), 0.6 VA Max. [External power] 10 to 28 V DC, 7 VA Max.
Dimensions and mass	150 mm (5.91 in) W × 90 mm (3.54 in) H × 56 mm (2.20 in) D, 320 g (11.3 oz)
Accessories	Instruction manual ×1, AC adapter Z1008 (with supplied power cord) ×1, Bracket ×1, M3×4 mm screw ×2