+ Type K Temp., Pt 1000 ohm Temp., IR Temp. adapter

TACHOMETER/ STROBOSCOPE

Model : DT-2436 *ISO-9001, CE, IEC1010*

Lutron

LUTRON ELECTRONIC

The Art of Measurement

+ Type K Temp., Pt 1000 ohm Temp., IR Temp. adapter

TACHOMETER / STROBOSCOPE

Model : DT-2436

FEATURES

* Multi-functions, one instrument combine Photo Tachometer (RPM), Contact Tachometer (RPM, m/min., ft/min.), Strobscope , Type K Thermometer, Pt 1000 Thermometer, IR Thermometer (optional adapter).
* High intensity white white light beam for photo tachometer, safety and save the power energy.
* Wide measuring range from 0.5 to 100,000 RPM.
* 0.1 RPM resolution for the measured value < 1000 RPM.
* High precision with 0.05% accuracy.
* The last value, max., value, min. value will be stored into the memory automatically & can be obtained by pressing REC CALL BUTTON.
* Large LCD display
* High visible LCD display gives RPM reading exactly with no guessing or errors & saves battery energy.
* This tachometer used the exclusive one chip MICRO-COMPUTER LSI circuit & crystal time base, offer the high accurate measurement & fast sampling time.
* The use of durable, long lasting components, including a strong, light weight ABS plastic housing, assures almost maintenance free performance for many years.
* The housing cabinet has been carefully shaped to fit comfortable in either hand.

GENERAL SPECIFICATIONS

Display	45 mm x 24 mm LCD, 5 digits with display unit.
Measurement	Photo Tachometer (RPM) Contact Tachometer (RPM, m/min., ft/min.). Strobscope Type K Thermometer Pt 1000 Thermometer, IR Thermometer (optional adapter).
Time base	Quartz crystal.
Circuit	Exclusive one-chip of microcomputer LSI circuit.
Memory	Last/Max./Min. value.
Operating Humidity	Max. 80% RH.
Operating Temperature	0 to 50 ℃ (32 to 122 ℉)
Over Input Indication	Indication of "- - - - ".
Power Supply	UM3-AA X 4 (DC 6 V battery).
Power Consumption	Approx. DC 5 mA
Weight	160g. ** The weight is includd the battery.*
Dimension	HWD 207 x 67 x 39 mm (81.5 x 26.3 x 15.3 inch).
Accessories Included	Hard carrying case .....1 PC. Reflecting tape marks (600 mm).....1 PC. RPM adapter (CONE).....1 PC. RPM adapter (FUNNEL).....1 PC. Surface speed test wheel.....1 PC. Operation manual.....1 PC.
Optional Accessories	* Type K Temp. probe : TP-01, TP-02A,TP-03, TP-04, TP-05. * IR Temp. adapter, IR-36.

ELECTRICAL SPECIFICATION (23 ± 5℃)

Photo Tachometer

Measurement and Range	Photo Tachometer : 5 to 99,999 RPM.
Resolution	RPM: 0.1 RPM (< 1,000 RPM). 1 RPM (≧1,000 RPM).
Accuracy	± (0.05% + 1 digit).
Photo Tachometer detecting distance	50 to 150 mm/2 to 6 inch. (typical max. 300 mm/12 inch, depending upon ambient light). * Spec. of detecting distance are that under the size of reflecting tape is 10 mm square & the measuring RPM value is 1,800 RPM. The max. & min. detecting distance may change under different environment, different reflecting tape or the measuring RPM beyond 1800 RPM.

Contact Tachometer

Measurement and Range	Contact Tachometer : 0.5 to 19,999 RPM.
Resolution	m/min.: 0.01 m/min. (< 100 m/min.). 0.1 m/min. (≧100 m/min.).
	ft/min.: 0.1 ft/min. (< 1,000 ft/mn.). 1 ft/min. (≧ 1,000 ft/mn.).
	in./min. : 0.1 in./min. (< 1000 in./min.). 1 in//min. (≧ 1,000 in./min.).
Accuracy	± (0.05% + 1 digit).

Strobescople Tachometer

Flash adjust range	60 to 30,000 RPM/FPM. * RPM : round per minute. * FPM : flash per minute.
Resolution	0.1 RPM : < 1,000 RPM.
	1 RPM : ≧ 1,000 RPM
Function buttons Accuracy	x 2 button, ÷ 2 button, + button, - button, ± (0.05 % + 1d)

Type K/J thermometer

Sensor Type	Resolution	Range	Accuracy
Type K	0.1 ℃	-50.0 to 1300.0 ℃	± (0.4 % + 0.5 ℃)
		-50.1 to -100.0 ℃	± (0.4 % + 1 ℃)
	0.1 ℉	-58.0 to 2372.0 ℉	± (0.4 % + 1 ℉)
		-58.1 to -148.0 ℉	± (0.4 % + 1.8 ℉)

Pt 1000 Ω thermometer (should add optional IR ADAPTER , IR-36)

Unit	Range	Resolution	Accuracy
℃	-10 to 70 ℃	0.1 ℃	± 1.2 ℃
℉	14 to 158 ℉	0.1 ℉	± 2.5 ℉

IR thermometer (should cooperate optional IR ADAPTER , IR-36)

Emissivity	0.95 fixed value
Spectral response	6 to 14 μ m (wavelength)
Field of View D/S	D/S =Approx. 6:1 ratio (D = distance, S =spot)

Unit	Range	Resolution	Accuracy
℃	-30 to 305 ℃	0.1 ℃	± 1.2 ℃
℉	0 to 581 ℉	0.1 ℉	± 2.5 ℉

* Appearance and specifications listed in this brochure are subject to change without notice.