

# Pocket PHOTO/CONTACT

Model: DT-2230 *ISO-9001, CE, IEC1010* 







**LUTRON ELECTRONIC** 

### The Art of Measurement

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### Pocket type, RS232 computer interface

## PHOTO/CONTACT TACHOMETER

Model: DT-2230

#### **FEATURES**

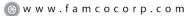
÷	LATURLS
*	Compact and pocket tachometer.
*	The best Tachometer in the world. 2 in 1, one
	instrument combine Photo tachometer and Contact
	Tachometer.
*	Photo tachometer uses Laser light detecting source,
	long measuring range up to 1.5 meters, it is useful in
	the RPM measurement application where the machine
	would be a risk to the operator or close access is
	difficult or not possible.
*	Wide measuring range from 0.5 to 100,000 RPM, 0.1
L	RPM resolution for the measured value < 1000 RPM.
*	Microprocessor based circuit, crystal time base, high
	precision with 0.1% accuracy.
*	High visible LCD display gives RPM reading exactly
L	with no guessing or errors & saves battery energy.
*	Memory with recall function, the last value, max.,
	value, min. value will be stored into the memory
L	automatically.
*	The use of durable, long lasting components, including
	a strong, light weight ABS plastic housing, assures
	almost maintenance free performance for many years.
*	RS232 PC serial interface.
*	Patent patented.

### **SPECIFICATIONS**

Measurement	Photo Tachometer :			
& Range	5 to 99,999 RPM.			
	Contact Tachometer :			
	0.5 to 19,999 RPM.			
	Surface :	Speed :		
	m/min	0.05 to 1,999.9 m/min.		
	ft/min.	- 0.2 to 6,560 ft/min.		
	in/min	2.0 to 78,740 in/min.		
Resolution	RPM	0.1 RPM ( < 1,000 RPM ).		
		1 RPM ( ≥1,000 RPM ).		
	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/min. ).		
		1 ft/min. (≧ 1,000 ft/min.).		
	in/min.	0.1 in/min. ( < 1,000 in/min. ).		
		1 in/min. (≧ 1,000 in/min.).		
Display	LCD, size 32 mm x 28 mm.			
	5 digits with display unit.			

Accuracy	± ( 0.1% + 1 digit ). @ reading
Photo	5 to 150 cm typically.
Tachometer	* Spec. of detecting distance are that
detecting	under the size of reflecting tape is
distance	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.
Memory	Memorize Last/Max./Min. value
	with recall.
Time base	Quartz crystal.
Circuit	Exclusive one-chip of microcomputer
	LSI circuit.
Photo Tach.	* Less than 1 mW.
Laser light	* Class 2 laser diode.
source	Red Wave length is 645 nm
	approximately.
Operating	0 to 50 $^{\circ}\mathrm{C}$ ( 32 to 122 $^{\circ}\mathrm{F}$ ).
Temperature	
Operating	Less than 80% R.H.
Humidity	
Data Output	RS232 PC serial interface.
Battery	4 x 1.5V AAA ( UM4 ) batteries.
Power	Photo tachometer :
Consumption	Approx. DC 20 mA.
	Contact tachometer :
	Approx. DC 9.5 mA.
Size	165 x 50 x 33 mm.
	( 6.5 x 2.0 x 1.3 inch ).
Weight	182 g ( 0.4 LB ).
	* Weight is cluded the batteries.
Accessories	Reflecting tape marks
Included	( 600 mm )1 PC.
	Operation manual 1 PC.
	Spare RPM cone rubber1 PC.
	Spare RPM funnel rubber1 PC.
Optional	* Carrying case, CA-52A
Accessory	* USB cable, USB-01.
	* RS232 cable, UPCB-02.
	* Data Acquisition software,
	SW-U801-WIN.

<sup>\*</sup> Appearance and specifications listed in this brochure are subject to change without notice.



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