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INSTRUMENTOS DE MEDICIÓN INDUSTRIAL

Tacómetro

LT-DT2237

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GASOLINE TACHOMETER

Model : DT-2237



Your purchase of this GASOLINE TACHOMETER marks a step forward for you into the field of precision measurement.

Although this TACHOMETER is a complex and delicate instrument, its durable structure developed. Please read the following instructions carefully and always keep this manual within easy reach.

OPERATION MANUAL

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1. FEATURES

- * High precision gasoline engine RPM measurement, measurement just clamp the Inductive Pick Up sensor to the high tension wire.
- * Secondary tach. measuring method, no matter what cylinder is.
- * 4 cycle & 2 cycle select switch, available the automobile engine, motorcycle engine, generator engine...
- * 0.05% accuracy, high precision.
- * Wide measuring range from 10 to 40,000 RPM.
- * Separate inductive pick up sensor, easy operation.
- * The last value, max., value, min. value will store into the memory automatically & can be obtained by pressing Memory Call Button.
- * High visible LCD display gives RPM reading exactly with no guessing or errors & saves battery energy.
- * The engine 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.

2. SPECIFICATIONS

Measured Engine	4 cycle	2, 3, 4, 5, 6, 8, 10, 12.. no matter what cylinder is.
	2 cycle	1,2,3,4.. no matter what cylinder is.
Reading Range	10 to 40,000 RPM.	
Resolution	1 RPM	
Display	5 digits, 10 mm (0.4 ") LCD.	
Accuracy (23 5 C)	(0.05 % + 1 digit). * <i>Spec. tested under the environment RF Field Strength less than 3 V/M & frequency less than the 30 MHz only.</i>	
Sampling Time	Approx. 1 second.	
Memory	Last, Maximum, Minimum value.	
Time Base	Quartz crystal.	
Circuit	Exclusive one-chip of microcomputer LSI circuit.	
Signal Sensor	RPM inductive pick up sensor.	
Signal Sensing Principle	Secondary Tach. measuring method, no matter what cylinders is.	
Housing	Durable ABS plastic.	
Battery	1.5 V AA (UM-3) battery x 4 PCs.	
Power Consump.	Approx. DC 10 mA.	
Power Failure	Build in low battery indicator.	
Operating Temp. & Humidity	0 蛭 - 50 蛭 (32 蚌 - 122 蚌). Less than 80% R.H.	
Dimension	190 x 72 x 37 mm (7.5 x 2.8 x 1.5 inch).	
Weight	250 g/0.55 LB (including battery).	
Accessories Included	RPM inductive pick up sensor..... 1 PC Carrying case..... 1 PC Instruction manual..... 1 PC	

3. FRONT PANEL DESCRIPTION

Fig. 1

- 3-1 Input Socket
- 3-2 Signal Monitor indicator
- 3-3 Display
- 3-4 4 CYCLE/OFF/2 CYCLE Select Switch
- 3-5 Memory Button
- 3-6 Battery Compartment/Cover
- 3-7 RPM Inductive Pick Up Sensor
- 3-8 Plug for RPM Inductive Pick Up Sensor

4. MEASURING PROCEDURE

- 1) Select engine type (4 or 2 CYCLE engine) from " 4 CYCLE/OFF/2 CYCLE Select Switch " (3-4, Fig. 1).
- 2) Insert the " Sensor Plug " (3-8, Fig. 1) into the " Input Socket " (3-1, Fig. 1).
- 3) Clamp the " RPM Inductive Pick Up Sensor " (3-7, Fig. 1) to the HIGH TENSION WIRE of No. 1 SPARK PLUG (or No. 2, No. 3... SPARK PLUG are also available), refer Fig. 2.
- 4) Verify that the " Monitor Indicator " (3-2, Fig. 1) lights when the Inductive Pick Up Sensor already sensing the signal. Then the Display (3-3, Fig. 1) will show RPM reading & update approx. every second.
- 5) After finish the measurement, slide the " 4 CYCLE/OFF/ 2 CYCLE Select Switch " (3-4, Fig. 1) to the " OFF " position.

Fig. 2

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