

multicomp^{PRO}



Digital Tachometer

MP780522

SAFETY INFORMATION

Please read these instructions carefully before use and retain for future reference.

- To avoid injuries to animal or human eyes, Please do not point the laser beam in eyes or look directly into beam.
- There are no user-serviceable parts in this product. Refer servicing to qualified personnel.
- Never operate the meter with the cover removed or the battery door open.
- Remove dead batteries from the meter or if it is not going to be used for a long time.
- Never mix old and new batteries together, or different types of batteries.
- Never dispose of batteries in a fire, or attempt to recharge ordinary batteries.

WHATS INCLUDED

- Tachometer
- Instructions
- Carrying case
- 3 x Reflective tapes

FEATURES

- This Digital Tachometer provides fast and accurate non-contact RPM and surface speed measurements of rotating objects.
- *This tachometer is used the CPU technique, photo-electrical technique, and junction laser technique for one instrument combined PHOTO TACH. (RPM & REV)
- Two test modes: rotate speed mode (unit: RPM) & count mode (unit: REV)
- Wide measure range and high resolution.
- High visible digital LCD and backlight display.
- Built-in memory recalls Max/Min and last value stored.



OPERATION

- Cut the reflective adhesive tap provide into approx 12mm (0.5") squares and apply one square to each rotation shaft.

NOTE: The non-reflective area must always be greater than the reflective area.

- If the shaft is normally reflective, it must be covered with black tape or black paint before attaching reflective tape
- The shaft surface must be clean and smooth before applying reflective tape.
- Depress the "MEAS" button and align the visible light beam with the applied target
- Verify that monitor indicator lights when the target aligns with the beam.
- The current mode is the last time mode used. If you need to change the mode, release the "MEAS" button and press the "MODE" button before the instrument auto powers off to switch between "RPM" and "REV" (revolution).
- Select the mode of you require, then press the "MEAS" to start readings.

NOTE: This instrument will auto power off in 10 sec after releasing the "MEAS" button.

- Press the "MEM" button displays the reading of the Max, Min and Last value for the previous measurement taken.

VERY LOW RPM MEASUREMENT

- Measuring high resolution and fast sampling time is easier than measuring slow RPM.
- If measuring very low RPM values, it is suggested to attach more "REFLECTIVE MARKS" spaced around the shaft
- Then divide the reading shown by the number of "REFLECTIVE MARKS" placed to get the correct RPM value.

MAINTENANCE

Replacing the battery

- When the meter display fades the battery needs changing.
- Open the battery cover on the rear case.
- Remove the old battery and fit a new 9V PPA battery into the battery holder noting the correct polarity of the connector.
- Replace the battery cover.

Cleaning

- Clean the meter with a clean, soft cloth.
- Do not use any chemicals, abrasives or solvents that could damage the meter.

SPECIFICATIONS

Display:	Large 5 digit LCD
Non-contact test range:	2 to 99,999 RPM
Tot test range:	0 to 99,999 RPM
Accuracy:	$\pm(0.05\% + 1\text{digit})$
Resolution:	0.1RPM (2 to 9999.9RPM) / 1RPM (over 10000 RPM)
Sampling time:	0.5 sec.(over 120 RPM)
Detecting distance:	50mm to 500mm
Memory:	Built-in memory recalls Max/Min/Last
Time base:	Quartz crystal
Power consumption:	Approx.45mA
Battery:	9V battery or 6VDC via PSU
Dimensions:	160 x 60 x 42mm
Weight:	150g approx
Operation temp:	0° to 50° (32° to 122°)



INFORMATION ON WASTE DISPOSAL FOR CONSUMERS OF ELECTRICAL & ELECTRONIC EQUIPMENT

These symbols indicate that separate collection of Waste Electrical and Electronic Equipment (WEEE) or waste batteries is required. Do not dispose of these items with general household waste. Separate for the treatment, recovery and recycling of the materials used. Waste batteries can be returned to any waste battery recycling point which are provided by most battery retailers. Contact your local authority for details of the battery and WEEE recycling schemes available in your area.



Made in China. LS12 2QG

Man Rev 1.0