

Optical Tachometer and Stroboscope Calibrator MT2013

The MT2013 was originally designed for in-house test and calibration of our comprehensive range of Digital Optical Tachometers, Optical Speed sensing products and Stroboscopes.

The MT2013 is suitable for calibration of virtually any make of Optical Tachometer, Optical Speed Sensors & Stroboscopes, in addition, they can be used with Digital Panel Tachometers, Ratemeters, Batch counters and similar pulse related products.

The Calibrator can be used to test Panel and Bench type Tachometers via its pulse output feature and also tests optical speed sensors.

General Specification

Digital display	5 Digit LED - displays input or output speeds
Speed range	3 - 99,000 rpm in 4 ranges
Range selection	4 position selector switch
Speed adjustment	Fine adjust via multi turn potentiometer
Accuracy	+/- 0.01% +/- 1 digit
Resolution	Autoranging max. 0.001rpm
Output facilities	LED attachment for Optical Tachometers & Optical sensors TTL pulses for Digital Instrumentation; NPN open collector output
Input facilities	Optical Sensors, sensor for Stroboscope calibration TTL input & magnetic sensors
Sensor supplies	5vdc
Controls	Signal in/out switch for Tachometers or Strobes
Input/outputs	Pulse output via 3.5mm Stereo socket
Signal power	via signal input socket
Power input	110/240vac (dc options by request)

Main features

- Wide input pulse rate range - 0.05 - 200 KHz using the input divider & scaling features
- High accuracy and ease of reading
- 5 Digit LED display
- Full scaling facilities up to 5 digits
- Selectable display resolution - 4 options
- Low speed capability - 3rpm to 0.001 res
- Strobe calibrator

Additional features

- Time interval for cycle time & reciprocal rate measurement (very low pulse rate can be monitored)
- Count mode - up to 8 digits auto ranging
- Time accumulative mode - average for rate calculation
- Pulse, RS232 & Analogue output options
- Specials available to order

A traceable Calibration certificate is supplied with each product



Order Codes	Description
MT2013	Optical Tachometer and Stroboscope Calibrator