

**Pressure Measurement**

**Hand Held Digital Manometers**  
2000 Series



The 2000P series of hand held manometers represents a new standard in pressure measurement, ease of use and accuracy of reading. Selected models feature automatic leak testing and logging

- Pressure ranges from 2mbar to 7 bar
- Scales in mbar, bar, psi, inH<sub>2</sub>O, in HG, mmH<sub>2</sub>O, mH<sub>2</sub>O, mm/cm/mHg, Pa and kPa
- Accuracy performance 0.2% of reading



- Automatic zero calibration for added accuracy
- Logging mode for storage, retrieval and output readings
- Long battery life 200 hours
- DigiLink interface box for downloading to a printer or PC
- Digilog software includes zoom, chart wizard and data analysis for logging thermometers
- 200BT protective holder with tilt stand
- Sealed to IP64

Model	2021P	2022P	2023P	2081P	2082P	2083P
Operating Range	0 - 130mBar	0 - 2Bar	0 - 7Bar	0 - 130mBar	0 - 2Bar	0 - 7Bar
Backlight	●	●	●	●	●	●
Zeroing	●	●	●	●	●	●
Hold	●	●	●	●	●	●
Range Lock	●	●	●	●	●	●
Max/Min	●	●	●	●	●	●
Smoothing	●	●	●	●	●	●
Units of Pressure	●	●	●	●	●	●
Logging	●	●	●	●	●	●

Operating Temperature 0°C to 50°C

Battery Type 2AA

222545

Mfrs. List No.	Order Code	1+	5+	10+
2021P	300-3360	20,242.00	--	--
2022P	493-855	21,032.00	--	--
2023P	493-867	20,242.00	--	--
2081P	493-879	22,941.00	--	--
2082P	493-880	22,941.00	--	--
2083P	207-597	22,941.00	--	--
DIGILOG. Software	300-6943	5,750.00	5,607.00	5,466.00
DIGILINK. Interface Box	300-7510	6,596.00	--	--
2000BT Protective Holster	300-3413	1,709.00	--	--

**Tachometers**

**Non-Contact, Optical Tachometer**  
Testo 465



Using the Testo 465, rpm can be easily measured optically without contact. Simply attach a reflector to the object to be measured and point the visible red modulated light beam at the reflector and take a measurement.

- Low cost
- Easy one handed operation
- Max/Min Function
- Saves Mean/Max and last recorded value when switched off
- Auto-off function
- Kit includes: case, reflectors, batteries and instruction manual

Sensor:	Optical with modulated light beam
Measuring range	1 to 99999rpm
Distance from Object:	Max 350mm (14 inches)
Accuracy	±0.02% of measured value, ±1 digit
Operating Temperature	0°C to 50°C
Storage Temperature	-20 to +70°C
Battery	2 x 1.5v AA Cells
Auto Off	30 seconds (Average/Max/Last value measurements saved)
Dimensions	144 x 58 x 20mm
Weight	145g

228173

Mfrs. List No.	Order Code	1+	+	+
465	321-4047	11,298.00	--	--

**Non-Contact and Mechanical Tachometer**  
Testo 470



Testo 470 has the advantage of a combination of both optical and mechanical rpm measurement. Simply attach the reflector to the the object being measured and point the red modulated beam on the reflector. By attaching an adaptor and cone or running wheel converts this instrument into a mechanical measuring device.

- Optical and mechanical measurement
- Measures rpm, speeds and length
- Easy to switch type of measurement
- Kit includes: case, adaptor, cone, running wheel, reflectors and instruction manual.
- Low battery warning

Sensor:	Optical with modulated light beam, mechanically with adapter and cone or running wheel
Measuring range	1 to 99999rpm (Optical) 1 to 19,999rpm (Mechanical)
Speed	0.10 to 1,999 m/min 0.30 to 6500 ft/min 4 to 78,000 in/min
Lengths	0.02 to 99,999 m 0.01 to 99,999 ft 1 to 99,999 in
Accuracy	±0.02% of measured value, ±1 digit (±1 digit/.02m/1.00 inch dependant on resolution)
Operating Temperature	0°C to 50°C
Storage Temperature	-20 to +70°C
Battery	2 x 1.5v AACells
Auto Off	30 seconds (Average/Max/Last value measurements saved)
Dimensions	175 x 60 x 28mm
Weight	190g

228175

Mfrs. List No.	Order Code	1+	+	+
470	321-4059	15,915.00	--	--

**Photo Tachometer**



An accurate, small, hand-held, non-contact photo tachometer. Simply place a reflective marker on a rotating object, point and measure.

- Large 5 digit LCD
- One second response time at distances from 2" to 6"
- Safe and precise
- Stores last/min/max readings
- Includes 23" of reflective tape, carry case and manual
- Requires four 1.5V batteries (not included)

Range	5 to 99999rpm
Resolution	0.1 rpm<1000 rpm, 1 rpm≥1000rpm
Accuracy	±(0.05% + 1 digit)

W=70, D=38.1, L=190.5

228177

Mfrs. List No.	Order Code	1+	+	+
72-6633	356-2633	8,732.00	--	--

**Stroboscope and Tachometer**  
Mains Powered



- Hand held low cost stroboscope-tachometer
- Powerful xenon flash
- Adjustable stroboscope flash rate
- Rotational speed is indicated on the digital display
- Mains powered
- IEC mains inlet

Stroboscopic flash rate	100-10000 flashes per minute
Tachometer speed rate	100-10000 rpm
Accuracy	±0.05% +1 digit
Sample time	1 second
Test range	Low 100-1000 FPM/RPM, High 1000-10000 FPM/RMP
Flash duration	60-100ms
Input voltage	230Vac ±10% 50HZ

222481

Order Code	1+	+	+	+
908-230	18,208.00	--	--	--

Test Equipment - Electrical / Environmental

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Compliant  
Non-compliant  
+ Limited stock - RoHS replacement available

RoHS