MT952

CONTACT/NON CONTACT TACHOMETER

The MT952 is a combination non-contact and contact digital tachometer for convenient, fast and accurate measuring of high rotational speeds up to 100 000RPM. The MT952 is supplied standard with an adaptor that converts the MT952 into a tachometer for measuring surface and axial speeds. The meter is capable of various measurements such as Rotation Speed, Total Revolutions, Frequency, Surface speed and length. The instrument is ideally suited for use with engines, process machinery, motors and machine tools.

Features

- Combination non-contact and contact digital tachometer for convenient, fast and accurate measuring of high rotational speeds up to 100 000RPM
- RPM Contact range 2 - 20 000RPM
- RPM Non-contact range 2 - 100 000RPM
- Detecting distance 50 - 500mm
- 5 Digit backlit LCD
- Auto Range
- Data Hold
- 40 Reading memories
- Min / Max / Avg
- Resolution 0.1RPM
- Built-in laser spot

Function	Range	Accuracy
Non contact test range	2 to 99 999RPM	±(0.05% +1)
Non contact resolution	0.1RPM	
Sampling time	0.5 seconds (over 120RPM)	
Detection distance	50mm to 500mm	
Time base	Quartz crystal	
Contact test range	2 to 20 000RPM	±(0.05% +1)
Contact resolution	0.1RPM	
Size	162 x 74 x 43mm	
Weight	160g	

MT950

NON CONTACT TACHOMETER

The MT950 provides fast and accurate non-contact revolutionary measurements for rotating objects. Using reflective tape on an object to be measured, simply point the laser at the object, the tachometer RPM will then measure up to a maximum of 100,000 revolutions with an accuracy of ±0.05% and a fast sampling time of 0.5 seconds. The MT950 has a built-in memory that recalls the Min/Max and last value stored. The meter can also be used as a Total TOT counter where the meter can be set up to count passing objects. The MT950 is lightweight and easy to operate.

Features

- Fast and accurate non-contact RPM and TOT measurements of rotating objects
- RPM Non-contact range 2 - 100 000RPM
- TOT count mode range from 1 - 100 000RPM
- Detecting distance 50 - 500mm
- 5 Digit backlit LCD
- Auto Range
- Data Hold
- 40 Reading memories
- Min / Max
- Resolution 0.1RPM
- Built-in laser spot

Function	Range	Accuracy
Non contact test range	3 to 99 999RPM	±(0.05% +1)
Non contact resolution	0.1RPM	
Count range	1 to 99 999 REV	
Sampling time	0.5 seconds (over 120RPM)	
Detection distance	50mm to 500mm	
Time base	Quartz crystal	
Size	160 x 58 x 39mm	
Weight	151g	

MT155

COATING THICKNESS TESTER

The MT155 is a compact and handy gauge, designed for non-destructive, fast and precise coating thickness measurements. It is adaptable and can be used on special geometries or on materials with special properties. The coating thickness gauge works either on the magnetic induction principle or on the eddy current principle, depending on the type of probe used, the MT155 has 31 working modes. The MT155 display the measured values and user information on the LCD, the backlight ensures easy reading of screen data in dark conditions. The probe systems are spring-mounted in the probe sleeve this ensures safe and stable positioning of the probe and constant pressure. The hemispherical tip of the probe is made of hard and durable material.

Features

- Dual technology
- Automatic selection of magnetic induction or Eddy Current measurement techniques
- Memory 320 readings
- Non magnetic coatings (paint, zinc) on steel
- Insulating coatings (paint) on non-ferrous metals
- No-ferrous metal coatings on insulating substrates
- Continue & Single mode
- Working modes: Direct & Group
- Static display: Min / Max / Average / No / S.Dev
- High / Low alarm
- USB Interface

Function	Range	Range
Sensor Probe	Fe	Non-Fe
Working principle	Magnetic Induction	Eddy current principle
Measuring range	0 ~ 1350µm, 0~53.1mils	0 ~ 1350µm, 0~53.1mils
Guaranteed tolerance (of reading)	0-1000µm ±(2.5%+2µm)	0-1000µm ±(2.5%+2µm)
	1000~1350µm ±(3.5%)	1000~1350µm ±(3.5%)
	0~39.3mils, ±(2%+0.08mils)	0~39.3mils, ±(2%+0.08mils)
	0~39.53.1mils, (±3.5)	0~39.53.1mils, (±3.5)
Precision	0~100um (0.1urn)	0~100um (0.1urn)
	100~1000um (0.1urn)	100~1000um (0.1urn)
	1000~1350um (0.01mm)	1000~1350um (0.01mm)
	0~10mils (0.01mils)	0~10mils (0.01mils)
	10~53mils .1mils (0.1mils)	10~53mils .1mils (0.1mils)
Minimum Curvature Radius	1.5mm	3.0mm
Diameter of Minimum Area	7.0mm	5.0mm
Minimum Measurable Thickness	0.5mm	0.3mm
Size	113.5 x 54 x 27mm	
Weight	110g	