

YARN SPEED AND LENGTH METER YS-20



Combined hand-held tachometer:

- » Speed and length meter for filament and similar materials
- » Hand-held tachometer for contact and non-contact measurement e.g engine shafts
- » Tachometer with LCD display and 7 selectable measuring units

Standard features

- » Easy to use
- » Rugged plastic housing with rubber sheathing for firm and safe handling
- » Easy to read display

Special features

- » The yarn speed and length meter YS-20 combines the function of four separate instruments in one:
 - » Speed and length meter
 - » contact measuring of revolutions
 - » contact measuring of velocity of rotation
 - » non-contact measuring of revolutions
- » 2 Slide-in measuring adapters for yarn speed and length meter YS-20 make it simple to convert from contact to non-contact or to speed and length measurement
- » User-selected units
 - » Linear Speed: meters/min, feet/min, inches/min
 - » Length: meters, feet, inches
 - » Revolutions: rpm
- » The measurement is carried out, as long as the measuring key is pressed
- » Built-in memory for minimum, maximum and last values
- » Tachometer with big, easy to read LCD display
- » Electricity saving electronic assures a long battery durability

Technical specifications

- » Yarn speed measurement
 - » 0.10 ... 1999 m/min
 - » 0.40 ... 6550 ft/min
 - » 4.00 ... 78700 in/min
 - » 0.10 ... 33.30 m/sec
 - » 0.10 ... 109 ft/sec
- » Yarn length measurement
 - » 0.00 ... 99999 m
 - » 0.00 ... 99999 ft
 - » 0.00 ... 99999 in
- » Revolution measurement
 - » Non-contact measurement: 1.00 ... 99999 min⁻¹
 - » Contact measurement: 0.10 ... 19999 min⁻¹
- » Accuracy: ±0.2 % of displayed value ±1digit
- » Measuring units:
 - » Speed: m/min, feet/min, inch/min, m/sec, ft/sec
 - » Length: m, feet, inch
 - » Revolutions: rpm
- » Display: 5 digit LCD, 10 mm high - floating decimal point
- » Measuring system:
 - » Speed/Length: Slide-on measuring head with 30 mm diameter measuring wheel and wrapper roller
 - » Non-Contact Tachometer: Visible LED light beam
 - » Contact Tachometer: Slide-on measuring head with cone tip and surface speed wheel (10 cm circumference)
- » Yarn/wire diameter:
 - » Yarn: max 0.5 mm
 - » Wire: max 0.3 mm
- » Memory: Min, Max, last reading, all retained in memory for the life of batteries
- » Sensing distance: ax. 600 mm
- » Display update time: 1 sec
- » Auto Power Off: After 30 s of non-use
- » Temperature range: 5 – 45 °C
- » Air humidity: 85 % RH, max.
- » Power supply: Batteries 2 x 1.5 V type AA (approx. 20 h continuous use)
- » Housing material: ABS plastic
- » Dimensions: 145 x 60 x 30 mm (LxWxH)
- » Weight, net (gross): Approx. 150 g (700 g)

