

Laser Tachometer

TRODEKS®

HHT20A Series



- ✓ Convenient Pistol-Grip Design
- ✓ Safe, Non-Contact Operation to 3 m (10') and 45° from Target
- ✓ Auto-Ranging 5 to 100,000 rpm
- ✓ Accuracy and Resolution: ±1 rpm
- ✓ 6-Digit LCD
- ✓ Remote Sensor Available
- ✓ Low-Battery and On-Target Indicators
- ✓ Last Measurement Memory

The HHT21A combines the accuracy and safety of a non-contact laser tachometer with the convenience and ease of operation of a pistol-grip instrument. Simply aim the tachometer at a reflective tape target on the rotating object, squeeze the trigger, and read the rpm. The HHT21 has internal laser optics and can be used with a remote optical sensor. It can be handheld or mounted with the ¼-20 threaded bushing in the base of the handle.

Specifications

Range: 5 to 100,000 rpm
Accuracy: ±1 rpm
Resolution: 1 rpm
Display: 6-digit, 13 mm (0.5") high LCD
Operating Envelope: Up to 3 m (10') and 45° from reflective target
Power-On Switch: Pistol-grip trigger; can be locked on with latching pushbutton for long-duration measurements
Power: 4 "AA" alkaline batteries (included); optional Ni-Cads can be charged while in tachometer
Battery Life: 6 to 8 hours typical
Dimensions: 82.5 x 44.5 x 155.7 mm plus 120.6 mm handle (3.25 x 1.75 x 6.13" plus 4.75" handle)
Weight: 0.56 kg (1.25 lb)
Mounting: ¼-20 UNC mounting bushing in handle
Temperature: 5 to 40°C (41 to 104°F)



HHT21A shown smaller than actual size.

Humidity: Maximum RH 80% for temperatures up to 31°C (88°F), decreasing linearly to 50% RH at 40°C (104°F)

Display Update Rate: 2/s

Recharger (Optional): 115 or 230 Vac, 7.8 Vdc at 50 mA max

Remote Optical Sensor (Optional)

Size: 74 L x 15 mm OD (2.90 L x 0.62"); M16 threaded tube, 2.4 m (8') cable 51 x 51 x 20 mm (2 x 2 x 0.8") mounting bracket with 2 M16 jam nuts

Power: 5 Vdc @ 30 mA (powered from base unit)

Temperature: -10 to 80°C (15 to 180°F)

To Order

Model No.	Description
HHT21A	Tachometer with LCD
HHT21A-R-KIT*	Tachometer with LCD, remote sensor, recharger
Accessories	
HHT-ROS-CABLE	7.6 m (25') extension cable for remote sensor
HHT-RT-5	Reflective tape, 1.5 m x 1.3 mm roll (5' x ½")

HHT21A comes with operator's manual, 4 "AA" alkaline batteries, nylon case, NIST-traceable calibration certificate and 1.5 m (5') of reflective tape. The HHT21A-R-KIT comes with operator's manual, 4 Ni-Cad batteries, recharger, rugged case, 1.5 m (5') of reflective tape, and remote optical sensor with mounting bracket and 2.4 m (8') of cable.

** Add "-230V" to order with 230 Vac recharger; additional cost to price.*