Portable Digital Industrial Stroboscope

High Performance!

HHT41B

1 YEAR WARRANTY · NIST · CE

Standard

- **Removable, Rechargeable Battery Pack 100 to 230 Vac**
- **One-Handed Operation**
- **Lightweight, Pocket Size**
- **Flash Rates to 12,500 FPM**
- **Tachometer Mode**
- **Remote Triggering/Pulse Output**
- **Bright Xenon Lamp**
- **NIST-Traceable Certificate of Calibration**

TRODEX's HHT41B set the industrial standard for high-intensity, multifunction, ultra-compact, xenon stroboscopes. It features a removable, rechargeable battery pack. Stop-action and slow-motion inspections are made easy with the one-touch, joystick-type tuning button. Additional features include rapid x2 and ÷2 of current flash rate, tachometer mode with external trigger, and memory recall functions. The HHT41B can even be operated "hands-free" with our standard tripod mounting bushing.

Removable, rechargeable battery pack, includes 1 rechargeable battery. Order a spare: HHT41B-BATT-BLUE.

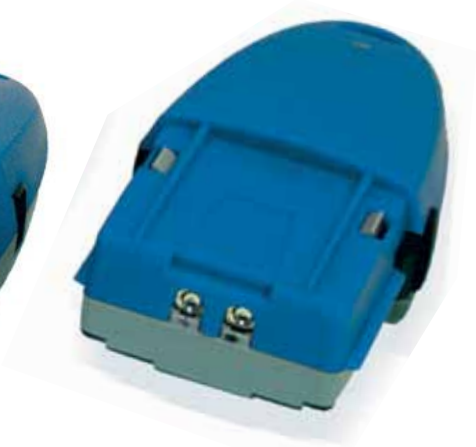
Crystal-clear digital display with backlight.

Joystick-type button allows single-hand operation.

LED indicates when battery is low or fully charged.

TRODEX's innovative battery pack can be recharged while attached to the strobe.

Optional HHT41B-URC universal recharger (100-230 Vac), with U.S., U.K., Australian, and European adaptor plugs.



HHT41B, shown with optional HHT41B-BATT-BLUE spare battery. HHT41B is available in a variety of configurations—build exactly the instrument you require using the model numbers below.

Specifications

Display: 6-digit alphanumeric backlit LCD, 7.6 mm (0.3") digits
Light Power: 150 mJ/flash, 1100 LUX as bright as 10 W units
Flash Duration: 10 to 30 µs typical
Battery: Rechargeable battery pack (included) Nickel-Metal Hydride
Recharge Cycle: Fully recharges in 4 to 5 hours
Run Time: 100 minutes typical at 1800 fpm with fully charged batteries
Adjustment: 4-quadrant, pressure-sensitive joystick button adjusts flash rate, x2 and ÷2
Power: Removable 6V rechargeable battery pack with integral charge control electronics, included with all units
Weight: 0.63 kg (1.4 lb), including battery
Dimensions: 237.3 L x 77.1 mm W (9.34 x 3.04")

Internal Mode

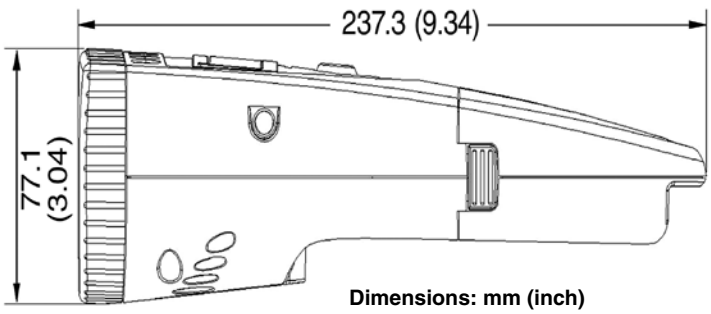
Flash Range: 100 to 12,500 fpm
Resolution: 0.1 FPM
Accuracy: ±0.5 FPM or ±0.01% of reading
Update Rate: Instantaneous

External Mode

Range and Display: 5 to 12,500 fpm
Update Rate: 1 second typical
fpm Accuracy: ±0.1 fpm or ±0.01 of reading
Trigger-to-Flash Delay: < 5 µs
External Input: 0 to 5V, 5 TTL compatible (+12 Vp max), 20 µs min pulse width; positive edge triggered

Tachometer Mode

Range: 5 to 250,000 rpm
Accuracy: ± 0.01% or 0.1 rpm
Update Rate: 1 second typical
External Input: 0 to 5V TTL compatible (+12 Vp max) 20 µs min pulse width; positive edge triggered



Dimensions: mm (inch)

To Order

Model No.	Description
HHT41B	Portable strobe, 100/230V charger, 1 rechargeable battery pack
HHT41B-KIT	Portable strobe, 100/230V charger, rechargeable battery pack, 2 spare lamps, carrying case
HHT41B-PAK	Portable strobe, 115V charger, 2 rechargeable battery packs, holster
HHT41B-DKIT	Portable strobe, 100/230V charger, 2 rechargeable battery packs, holster, 2 spare lamps, latching carrying case

Comes complete with NIST calibration certificate and operator's manual.

Accessories

Model No.	Description
HHT41B-BATT-BLUE	Extra rechargeable NiMH battery pack
HHT32R-URC-BLUE	Battery recharger
HHT41-HOLSTER	Holster with battery pack pouch
HHT41-LAMP	2 xenon replacement lamps
HHT41-CC	Latching carrying case
HHT41-POC	Pulse output cable, 1.8 m to 3 mm (6' to ⅛") mono plug to BNC connector (CA-4044-6-⅛" to BNC)
HHT41-PIC	Pulse input cable, 1.8 m to 3 mm (6' to ⅛") stereo plug to BNC connector

HHT41B-PAK includes strobe, 2 batteries, 115 Vac charger and holster.

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