

# Portable Digital Industrial Stroboscope

**High Performance!**

**HHT41B**



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

OMEGA'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.



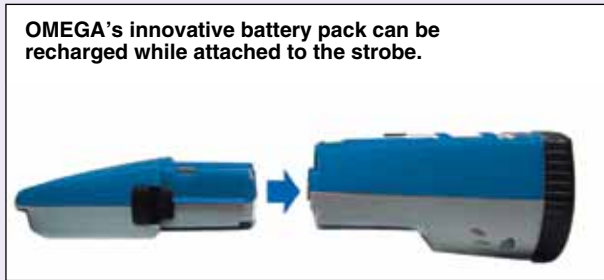
OMEGACARE<sup>SM</sup> extended warranty program is available for models shown on this page. Ask your sales representative for full details when placing an order. OMEGACARE<sup>SM</sup> covers parts, labor and equivalent loaners.

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.



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



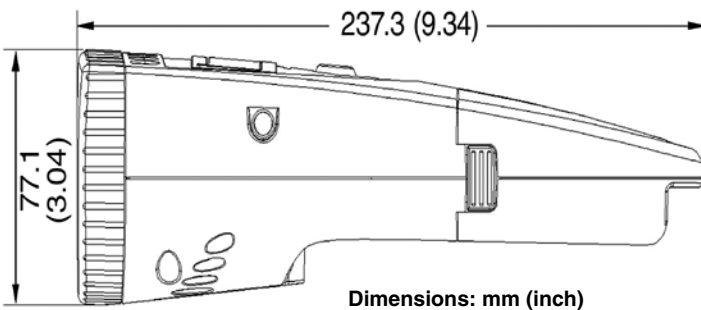
HHT41B, shown with optional HHT41B-BATT-BLUE spare battery. HHT41B is available in a variety of configurations—build exactly the instrument you require using the model numbers below.

### 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  $\mu$ s 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  $\div$ 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:**  $\pm$ 0.5 FPM or  $\pm$ 0.01% of reading

**Update Rate:** Instantaneous  
**External Mode**  
**Range and Display:** 5 to 12,500 fpm  
**Update Rate:** 1 second typical  
**fpm Accuracy:**  $\pm$ 0.1 fpm or  $\pm$ 0.01 of reading  
**Trigger-to-Flash Delay:** < 5  $\mu$ s  
**External Input:** 0 to 5V, 5 TTL compatible (+12 Vp max), 20  $\mu$ s min pulse width; positive edge triggered  
**Tachometer Mode**  
**Range:** 5 to 250,000 rpm  
**Accuracy:**  $\pm$  0.01% or 0.1 rpm  
**Update Rate:** 1 second typical  
**External Input:** 0 to 5V TTL compatible (+12 Vp max) 20  $\mu$ s min pulse width; positive edge triggered



### 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 1/8") mono plug to BNC connector (CA-4044-6-1/8" to BNC)
HHT41-PIC	Pulse input cable, 1.8 m to 3 mm (6' to 1/8") stereo plug to BNC connector

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.

**Ordering Example:** HHT41B-KIT, stroboscope with universal charger, 1 rechargeable battery pack, 2 spare lamps, NIST certificate and carrying case. OCW-3, OMEGACARE<sup>SM</sup> extends standard 1-year warranty to a total of 4 years.



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