

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.



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



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

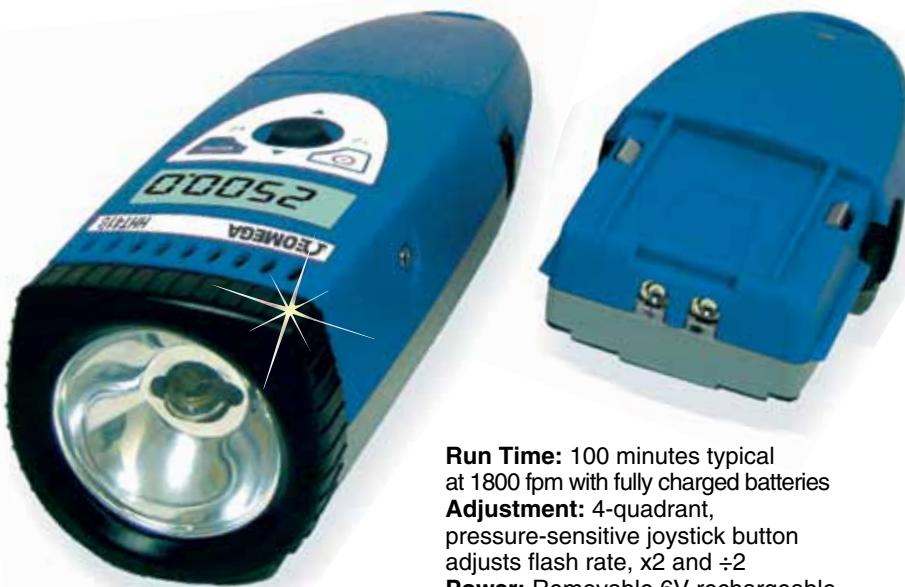


OMEGA's innovative battery pack can be recharged while attached to the strobe.



Optional HHT41B-URC universal charger (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.

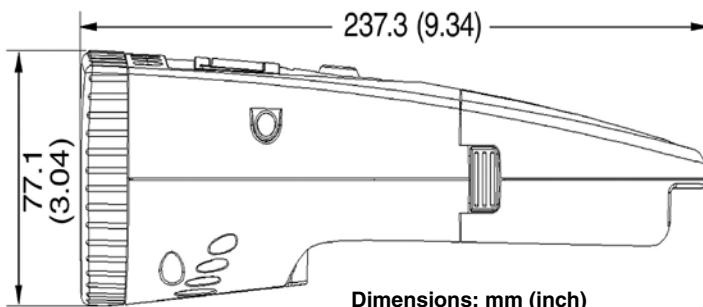
Specifications

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 μ 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, $\times 2$ 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: ± 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: ± 0.1 fpm or ± 0.01 of reading
Trigger-to-Flash Delay: < 5 μ s
External Input: 0 to 5V, 5 TTL compatible (+12 Vp max), 20 μ 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 μ 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 $\frac{1}{8}$) mono plug to BNC connector (CA-4044-6- $\frac{1}{8}$ " to BNC)
HHT41-PIC	Pulse input cable, 1.8 m to 3 mm (6' to $\frac{1}{8}$) 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, OMEGACARESM extends standard 1-year warranty to a total of 4 years.



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