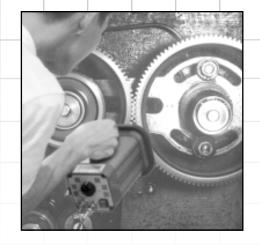
## **Digital Stroboscopes**

## **DT-315AEB**

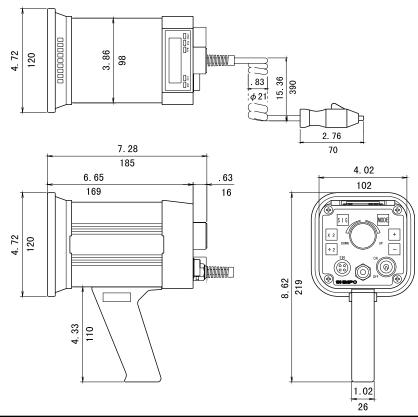
Operates independent of line power

A truly portable unit, the DT-315AEB operates independent of line power via an exterior battery pack that can be carried with a convenient shoulder harness or set down to allow the operator full movement for visual inspection. When fully charged, rechargeable batteries power the strobe for approximately four continuous hours. The DT-315AEB also incorporates the same impressive features as our DT-311A and DT-315A strobes.

<u>Features</u>	Benefits
Extruded aluminum construction	Extraordinary durability yields long service life
External battery supply	Lightweight; enables easy portability
Repeatable accuracy (± 0.01% of reading)	Fully meets the strictest tolerances
Microprocessor-controlled	Guarantees uncompromising performance in volatile temperature environments
Phase shift (in degrees of delay time)	Enables visual analysis of rotating/ reciprocating objects through all points of motion/time/angle
Flash timer control	Prolongs flash tube life
Manual flash controller knob	Permits easy/accurate adjustments to flash rate
External trigger	Allows synchronization of the flash rate with the motion of the rotating machinery
Synchronous output	Allows unit to power other strobes
Continuous duty cycle	Eliminates downtime waiting for unit to cool
Highly polished focused reflector	Prevents "blind" viewing areas



## **Digital Stroboscopes**



S P E C I F I C A T I O N S		
Model	DT-315AEB	
INTERNAL MODE		
Flashing Range	40.0 - 35,000 FPM (flashes per minute)	
Accuracy	±0.01 % of reading	
Resolution	0.1 FPM: 40.0 - 5,000 FPM   0.2 FPM: 5,000 - 8,000 FPM   0.5 FPM: 8,000 - 10,000 FPM   1 FPM: 10,000 - 35,000 FPM	
Phase Shift	Use +/- push buttons (360° in 6 seconds)	
Display Update Time	0.2 seconds approx.	
Output Signal	Synchronous, 400 $\mu$ sec. Pulse output, 0 to +12 VDC amplitude(approx.), 4.7 K $\Omega$ impedance	
Rate Multiplier/Divider	Multiply by 2, divide by 2	
EXTERNAL MODE		
Flashing Range	0.0 to 35,000 FPM	
Accuracy	±0.01 % ±1 digit	
Phase Shift	0 to 359° with 1° resolution	
Delay Time	0 to 2,000 µsec from 40 - 10,000 FPM	
External Trigger Input Signal	LO level: 0 - 0.8 VDC, HI level: 2.5 - 12 VDC or open collector (NPN), pulse width 50 $\mu$ sec min.	
Input Impedance	4.7 KΩ to 12 V / 6.8 KΩ to 0 V	
GENERAL		
Display	5 digits, 0.4" (10 mm) high, LED	
Flash Tube Power/Life	Xenon, 10 W max. (100 million flashes)	
Flash Duration	10 - 40 μsec	
Sensor Power Supply	12 VDC (40 mA)	
Low Battery Indicator	Display shows all L's	
Power Requirement	External battery pack (9.8 - 14.5 VDC, 2.3A)	
Operating Temperature Range	ting Temperature Range 32° - 104° F ( 0 - 40° C )	
Weight	2.5 lb (1.1 kg)	
<b>Dimensions</b> 7.28" L x 4.72" W x 4.72" H (185 mm x 120 mm)		
Warranty 1 year		
Standard Accessories	External battery pack with charger	
OPTIONAL ACCESSORIES	Carrying case, sensors	