

TechStrobe: DT-900 Series

The World's Finest Stroboscope Are Now Even Better

The TechStrobe from Shimpo Instruments is the perfect tool for slow motion or stop action stroboscopic inspection, and is the only palm size unit to include a Phase Shift feature! Phase shifting allows the TechStrobe operator to advance or retard the flash timing by degrees° of angle, without changing the actual flash rate (FPM) of the TechStrobe.

Employing its unique Phase shifting feature, the TechStrobe “freezes” rotating or reciprocating machinery for visual inspection of covered gear teeth, shafts, oil/fuel/ink injector patterns, and print media, and all without stopping production.

Designed for right or left hand, all TechStrobe functions are intuitive and easy to use. Quality and Maintenance Professionals will appreciate the rotary and push button controls for internal flash (FPM/RPM) control, external triggering, tachometer mode and Phase shift control. The push buttons rapidly increase (x 2), or decrease (+2) the flashes per minute (FPM) and change by degrees° the Flash phase.



Specifications

MODEL	DT-900 SERIES
FLASH RATE RANGE	40-12,500 Flashes Per Minute (fpm)
FLASH RATE ACCURACY	+/- 0.5 fpm or +/- 0.01% of reading, whichever is greater
DISPLAY FLASH SETTING RESOLUTION	0.1 fpm for 100 to 9,999 fpm, 1 fpm for 10,000 to 12,500 fpm
TACHOMETER RANGE	40 - 59,000 rpm
TACHOMETER ACCURACY	+/- 0.5 rpm or +/- 0.01% of reading, whichever is greater
FLASH TUBE	Xenon, 10W, user replaceable
FLASH TUBE LIFE	100 Million Flashes
FLASH DURATION	9-15 usec
LIGHT POWER	154 mJoules per flash
BATTERY TYPE	NiMH, rechargeable, removeable
BATTERY CAPACITY	2.6 AmpHr
BATTERY CHARGE TIME	2-4 hours, using supplied AC adapter
RUN TIME PER CHARGE	2.5 hours at 1600 fpm, 1.25 hours at 3200 fpm
BATTERY CHARGER AC INPUT	115 VAC, 50/60 Hz / Universal charger optional
DISPLAY	8 character by 2 line LCD, alphanumeric
DISPLAY UPDATE	continuous
TIMEBASE	Crystal oscillator, 100 ppm accuracy
CONTROLS	Power, multiply by 2, divide by 2, phase shift, external trigger
EXTERNAL TRIGGER INPUT	0-5V TTL type via stereo phono jack
EXTL TRIGGER TO FLASH DELAY	5 usec maximum
CLOCK OUTPUT	0-5V TTL type signal via stereo phono jack
COLOR	Industrial Cool Grey
HOUSING	Impact & oil resistant polycarbonate
WEIGHT	650 g / 1 lb, 7 oz.

Features

- Brightest flash of any strobe in it's class
- Long run per charge time
- User adjustable flash rates
- Buttons for easy x2 and +2 adjustment
- Phase shift mode for full inspection of gears & rolls
- Alphanumeric LCD display w/ easy user interface
- One hand operation for right or left handed operators
- Removable battery w/ built-in charge electronics
- External trigger and clock output
- Includes AC adapter and extra flashtube
- TechStrobe kits include free padded belt holster

Also Available



DT-900-PR Series shown with carrying case, holster and extra battery.

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