

# SHIMPO's TECHSTROBE

A **Nidec** Group Company

HANDHELD BATTERY OPERATED STROBOSCOPE

The **TechStrobe** from Shimpo Instruments is the perfect tool for slow motion, or stop action stroboscopic inspection. The Shimpo **TechStrobe** 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; all without stopping production.

The **TechStrobe** is completely portable and operates up to 2.5 hours at 1600 FPM from its detachable, rechargeable battery. The ergonomically designed battery serves as the padded grip area. The battery is quickly detached and recharged while another battery is snapped into place.

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*.

Compact, impact resistant and rugged, with that balanced feeling for one-handed operation, the **TechStrobe** will quickly become one of the Quality and Maintenance Professionals' favorite tools.

## ACCESSORIES

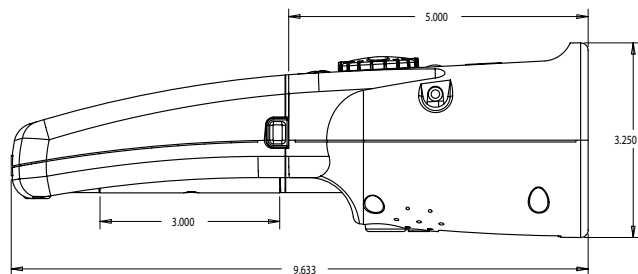
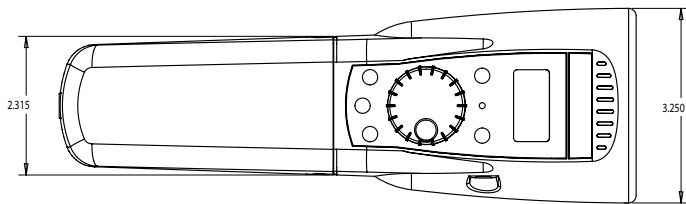


## FEATURES

- 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 and rolls
- Alphanumeric LCD display with easy user interface
- One hand operation for right- or left-handed operators
- Removable battery with built-in charge electronics
- External trigger and clock output
- Includes AC adaptor and extra flashtube
- TechStrobe kits include free padded belt holster



## DIMENSIONS



DT-900-PR PROFESSIONAL includes:  
TechStrobe unit, extra battery, flash-  
tube, AC Adaptor, and belt holster



## SPECIFICATIONS

<b>FLASH RATE RANGE</b>	40-12,500 Flashes Per Minute (FPM)
<b>FLASH RATE ACCURACY</b>	+/- 0.5 FPM or +/- 0.01% of reading, whichever is greater
<b>FLASH SETTING RESOLUTION</b>	0.1 FPM for 100 to 9999 FPM, 1 FPM for 10,000 to 12,500 FPM
<b>TACHOMETER RANGE</b>	40 - 59,000 RPM
<b>TACHOMETER ACCURACY</b>	+/- 0.5 RPM or +/- 0.01% of reading, whichever is greater
<b>FLASH TUBE</b>	Xenon, 10W, user replaceable
<b>FLASH TUBE LIFE</b>	100 Million Flashes
<b>FLASH DURATION</b>	9-15 usec
<b>LIGHT POWER</b>	154 mJoules per flash
<b>BATTERY TYPE</b>	NiMH, rechargeable, removeable
<b>BATTERY CAPACITY</b>	2.6 AmpHr
<b>BATTERY CHARGE TIME</b>	2-4 hours, using supplied AC adapter
<b>RUN TIME PER CHARGE</b>	2.5 hours at 1600 FPM, 1.25 hours at 3200 FPM
<b>BATTERY CHARGER AC INPUT</b>	115 VAC, 50/60 Hz
<b>DISPLAY</b>	8 character by 2 line LCD, alphanumeric
<b>DISPLAY UPDATE</b>	continuous
<b>DISPLAY RESOLUTION</b>	0.1 FPM for 100 to 9999 FPM, 1 FPM for 10,000 to 12,500 FPM
<b>TIMEBASE</b>	Crystal oscillator, 100 ppm accuracy
<b>CONTROLS</b>	Power, multiply by 2, divide by 2, phase shift, external trigger
<b>EXTERNAL TRIGGER INPUT</b>	0-5V TTL type via stereo phono jack
<b>EXTL TRIGGER TO FLASH DELAY</b>	5 usec maximum
<b>CLOCK OUTPUT</b>	0-5V TTL type signal via stereo phono jack
<b>COLOR</b>	Industrial Cool Grey
<b>HOUSING</b>	Impact & oil resistant polycarbonate
<b>WEIGHT</b>	650 g / 1 lb, 7 oz.

## DT-900 CONFIGURATIONS & ACCESSORIES

### DT-900

TechStrobe Stroboscope, w/battery, 120VAC charger, spare flash tube

### DT-900-U

TechStrobe, w/battery, Universal AC charger, spare flash tube

### DT-900-TR

TRAVELER KIT: TechStrobe, w/battery, 120VAC charger, spare flash tube, carry case, padded belt holster

### DT-900-PR

PROFESSIONAL KIT: TechStrobe, w/ 2 batteries, 120VAC charger, spare flash tube, carry case, padded belt holster

### NOTE:

When ordering TRAVELER or PROFESSIONAL KITS, specify UNIVERSAL AC CHARGER (CHU-900) if required.

## accessories

### BAT-900

Spare Battery pack w/ built in charging electronics

### CH-900

120VAC charger for battery pack BAT-900

### CASE-900

Plastic carrying case with handle for DT-900 TechStrobe

### PBH-900

Padded belt holster for DT-900 TechStrobe

### CHU-900

Universal AC charger-for charging BAT-900 world wide

### FT-900

Flash tube replacement for DT-900 TechStrobe

DISTRIBUTED BY

SPECTRUM INSTRUMENTS LTD.

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Ph: 800-778-3428 to contact a Sales Office nearest you.