

DT-315P

Designed from the beginning for harsh use

The DT-315P is a rugged, sealed (**IP65**) Stroboscope suitable for working in areas without AC power. The DT-315P works just like the DT-315A battery operated strobe, however flash tube life is increased, so maintenance of the DT-315P is less. Equipped with Phase shifting in angle of delay (0-359 degrees) and flash time delay, (0-300 mSec) the DT-315P is engineered for checking speed, timing and wear on rotating and reciprocating machinery.

With its rugged "bumper", sealed body, and internal (rechargeable) battery, the DT-315P provides the maintenance and quality professional, a rugged and accurate strobe-tach for inspection in harsh environments, of presses, conveyers, gear reducers, chain drives, fuel injectors, spray (paint) patterns, and many other industrial applications.



Specifications

MODEL	DT-315P
FLASHING RANGE	60.0 ~ 3,300 fpm
DISPLAY ACCURACY	± 0.01 % of reading
DRIFT	± 0.01 (at 0 ~ 40° C)
UPDATE TIME	Approx. 0.2 seconds
OUTPUT SIGNAL	Approx. 12V
OTHER FUNCTIONS	÷2, x2 Flashings, Phase shift adjustment amplitude(approx.), 4.7 KΩ impedance
FLASHINGS	Synchronous mode: 60.0 ~ 3,300fpm / Delay mode: 200 ~ 3,300 fpm
DELAY ANGLE RANGE	Delay mode: 0 ~ 359°, Set by 1°
DISPLAY	rpm, Synchronous mode: 60.0 ~ 3300fpm / Delay Angle, Delay mode: 0 ~ 359° or 0 ~ 300mS conversion display
DISPLAY ACCURACY	Synchronous mode: ± 0.01% plus ± 1 digit / Delay mode: + 0 -0.2mS plus ± 1 digit
UPDATE TIME	1 / second
INPUT SIGNAL	H Level: 2.5 ~ 12V / L level: 0 ~ 0.4V / 50 μs or over for H.L. level / Trigger at rising edge / Approx. 10 KΩ impedance
SENSOR POWER	Battery: 6.8 ~ 11.0V / Adapter: 10.2 ~ 12.2V / DC: 9 ~ 14.5V : 7.8 ~ 14.1V / max. 40mA (including max 0.6V Ripple)
DISPLAY	5 digit, 7 segment red LED (Character height 10mm)
SETTER	Flashing, Delay angle: Jog Shuttle / Mode, Display Unit: Tact Switch
FLASHTUBE	Xenon lamp Flashtube 311-2
FLASHTUBE POWER	max. 10W
FLASH DURATION	Approx. 30 μ sec
POWER	Battery: Nicd battery, 8KR - 2000 sce SANYO, Operating time: Approx. 1 hour (full charge at 3000 fpm) / Battery charge time: Approx. 10 hours / Do not operate over 10 hours continuously (External power: Disconnect the built-in battery before operating instrument by external power) / DC 9V - 14.5V, Max. 24W (current consumption is 24W/input voltage) operate by provided adapter / AC115V 10%, 50/60 Hz max. 40VA
OPERATING TEMPERATURE	0 - 40°C
DIMENSIONS	5.11" W x 6.22" H x 10.20" L (130 W x 158 H x 259 L mm)
WEIGHT	Approx. 4.6 lbs (2.1 kg)
POWER PLUG	PJ-2 (Sato parts) or the equivalent
ACCESSORIES	Input/Output signal plug, AC adapter, flash tubes
OPTIONAL ACCESSORIES	NIST traceable certificate

Features

- Internal signal "MODE" (flash) or external triggering control
- Adjust flash rate settings
- Long Life Flash Tubes
- SIG switch
- Phase "SHIFT"

A Closer Look



Using phase shift feature.

**SYNCHRONIZED FLASH RATE/
predictive maintenance inspection
of gear teeth**

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commtest
Southern Africa

419 Vine Avenue, Ferndale, Johannesburg
P.O. Box 1669, Ferndale, South Africa, 2160
Tel: +27 11 886 7993, web: www.commtest.co.za
Fax: +27 11 507 5823, email: info@commtest.co.za