SC METROMAT SRL

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Stroboscop DSL-300

Stroboscope DSL-300

Measuring range 30 - 300000 flashes per minute (rpm, min^{-1})
Frequency range 0.5 - 5000 Hz

LED-hand held stroboscope for non-contact determination of revolutions, for monitoring moving parts and ascertain the oscillation frequency of running systems.
Industrial stroboscope for battery operation with LCD display

Stroboscope with shock-proofed ABS housing and 7 LED illuminants



Stroboscope DSL-300

Special Features

- Stroboscope with easy to read LCD display
- 7 LED illuminants assure a good illumination of the observing object



- 1500 Lux at a distance of 20 cm and 6000 min^{-1}
- Double-flash-function (x 2) and half-rate-flash function (: 2) for easy and fast determination of the true flash rate
- Adjustable flash duration time for best illumination
  - e. g. shorter flash period = tighter image
  - e. g. longer flash period = more brightening
- Adjustable delay time of internal trigger signal and flash for optimal monitoring of motion sequences
- Protection class IP65 (splash water and dust protection)
- Battery operated

Additonal function: Modesl DSL-300-T with trigger input and output

- External trigger signal
  - Adjustable delay time in ms between external trigger input signal and flash for optimal monitoring e. g. clock frequency or starting period of a machine
  - Phase shift between trigger signal and flash to make a rotating part visible in different degrees
  - Pulse divider to determine which input pulse should be used as signal for the flash

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Standard Features

- Selectable units Hz, min-1 or FPM
- One hand use
- Handy, shock protected housing
- Calibration report of manufacturers optional available

Available Models

Model	Measuring Range	Trigger Signal
DSL-300	30 - 300000 FPM (0.5 - 5000 Hz)	no
DSL-300-T	30 - 300000 FPM (0.5 - 5000 Hz)	yes

Accessories (optional)

Belt-clip holster



Leather bag for take up the device. For fast mount on a belt.
Order number: 20003R



Calibration Certificate

Calibration certificate with calibration report is optional available.

Delivery Includes



Stroboscope with carrying case, 6 batteries AA (incl. 3 spare batteries), manufacturer`s inspection report, manual in english and german.

Additional for model DSL-300-T:
Cable with plug for trigger

Specifications

Flash range:	30 - 300000 FPM (flash per minute), 0.5 - 5000 Hz
Accuracy:	0.02 % (± digit)
Resolution:	0.1 (30 - 999 FPM), 1 (1000 - 300000 FPM)
Light intensity:	1500 Lux at 20 cm distance and 6000 FPM
Flash duration:	Adjustable
Flash color:	Approx. 6500 K
Display:	LCD multiline
Power supply:	3 x AA battery (Standard) or 3 x NiMH Accumulators - AA
Operating time depending on frequency:	Battery approx. 6 h, accumulator min. 6 h at 6000 FPM respectively
Air humidity:	95 % RH, max.
Housing material:	Aluminium / ABS with shock absorber
Dimensions:	191 x 82 x 60 mm (LxWxH)
Weight net (gross):	Approx. 420 g (approx. 850 g)

Additonal Specifications for model DSL-300-T

Trigger Input	
Principle:	Optocoupler, isolated
Low level:	<1 V
Level:	3 - 32 V, NPN + PNP
Minimum pulse length:	50 µsec
Reverse voltage protection:	Yes
Trigger Output	
Principle:	Short-circuit and overvoltage proof transistor output to the optocoupler, non isolated
Level:	NPN, max. 32 V
Pulse length:	Adjustable
Maximum current:	50 mA
Reverse voltage protection:	Yes

NOTA: Aceasta fisa a fost realizata sub rezerva modificarilor ulterioare de ordin tehnic sau a erorilor de editare.

Fotografia are caracter informativ.

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