SC METROMAT SRL

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SCHMIDT control instruments

Stroboscop, model QLED

Stroboscope QLED

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

Hand-held LED stroboscope for non-contact measurement of revolutions, for monitoring moving parts and ascertain the oscillation frequency of running systems Industry stroboscope for battery operation with LCD display

Stroboscope with integral long-living LED illuminant



Stroboscope QLED-40 CE

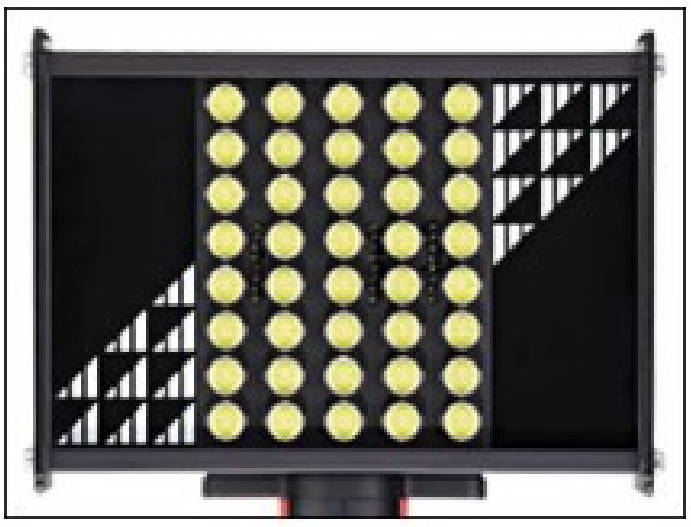
Special Features

- Powerful light output: 1750 Lux (model QLED-40) or 8000 Lux (model QLED-118) at 1°/300 mm
- **2 operation modes:**
  Standard: frequency, brightness, phase shifting

  Pro: additional e. g. slow motion, frame rate, pulse devider, memory
- Auto-sync laser function: To determine the synchronisation frequency without manual adjustment or external sensor signal (only QLED-118)
- Can be triggered internal and external: for phase shifting and additional functions
- Illuminants with adjustable light intensity and sharpness
- Adjustable units: FPM, Hz, min-1
- LCD display
- Resolution depending on flash frequency 0.1, 1 or 10 FPM
- Thread insert for handle or stationary use

Standard Features

- For revolutions up to 300000 min-1 (rpm, FPM)
- Latest LED technique with 40 or 118 LED`s depending on model



QLED-40 with 40 LED illuminants



QLED-118 with 118 LED illuminants and Laser
for Auto-sync laser function

- Recommended distance to object: 1 m for model QLED-40 or 3 m for QLED-118
- Easy to use with a large number of functions



- Rugged aluminium housing for industrial use
- 5 flash frequencies can be saved for fast adjustment
- IP 30 protected
- Power supply: Li-Ion battery
- AC adapter for charging

Available Models

Model	Measuring Range	Light Intensity
QLED-40	30 - 300000 fpm	approx. 1750 Lux at 1°/300 mm
QLED-118	30 - 300000 fpm	approx. 8000 Lux at 1°/300 mm

Delivery Includes



Stroboscope with carrying case, AC adapter with 4 adapters (EU, GB, USA, AUS), trigger plug, handle, calibration certificate and operating manual

Specifications

	QLED-40	QLED-118
Number of LED`s:	40	118
Frequenzy range:	30 - 300000 min^{-1}, (rpm, FPM)	30 - 300000 min^{-1}, fpm (rpm, FPM)
Display:	LCD, multiline	LCD, multiline
Accuracy:	±0.02 %, (±1 digit/±0.025 µ)	±0.02 %, (±1 digit/±0.025 µ)
Resolution:		
	±0.1 (30 - 999.9 min^{-1})	±0.1 (30 - 999.9 min^{-1})
	±1 (1000 - 9999 min^{-1})	±1 (1000 - 9999 min^{-1})
	±10 (10000 - 300000 min^{-1})	±10 (10000 - 300000 min^{-1})
External trigger input:	3 - 30 V/max. 5 mA, DIN 41524 5-Pin standard plug	3 - 30 V/max. 5 mA, DIN 41524 5-Pin standard plug
Flash duration:	Adjustable	Adjustable
Light intensity:	Approx. 1750 Lux at 1°/300 mm	Approx. 8000 Lux at 1°/300 mm
Flash color:	Approx. 5000 - 8000 K	Approx. 5000 - 8000 K
Power supply:	Integrated Li-Ion accumulator	Integrated Li-Ion accumulator
Operating time:	Approx. 7 h at 0.5° (~875 Lux) Approx. 4 h at 1.14° (~2000 Lux)	Approx. 2.3 h at 0.5° (~4000 Lux) Approx. 5 h at 0,25° (~2000 Lux)
Temperature range:	0 - 40 °C	0 - 40 °C
Housing material:	Aluminium	Aluminium
Dimensions:	150 x 130 x 112 mm (LxWxH)	150 x 130 x 112 mm (LxWxH)
Weight:	1050 g	1150 g

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