

High-Tech Microprocessor MOVISTROB®
Whenever you need multi-functionality.

Art.No.: 1038

Processor-controlled stroboscope with many functions; menu guidance for easy operation; all functions selectable via plastic foil keypad; internal oscillator; internal burst; external trigger; prescaler; line synchronization; readout RPM/Hz/ms; phase shift in 1/10° steps; slow motion; memory functions; display of absolute or relative deviation from a reference value; serial interface V 24 / RS 232; software configurable as required. Hand lamp type 900.02 included

General Data:

Light Source:	external hand lamp model 900.02 with flash bulb (control unit without built-in flash bulb)
Flash bulb:	4pin socket-mounted Xenon-longlife, glass tube protected
Light intensity:	approx. 700 Lux in 50 cm distance from reflector. (beam axis)
Flash duration:	2 - 7 µs
Frequency range:	Internal: 0,5 - 300 Hz = 30 - 18.000 RPM (min ⁻¹) with automatic flash power control External: 1 - 300 Hz = 60 - 18.000 RPM (min ⁻¹) with automatic flash power control
Trigger action:	internal oscillator, external triggering or mains synchronous, selectable via keypad, with additional functions prescaler and slow motion
- Internal control:	via quartz-controlled oscillator, adjustment via keypad
- External control:	via periodic signals (square; sine), input signals from 300 mV to 50 Vss, inputs and outputs isolated
- Main synchronization:	selectable via keypad
- Prescaler:	with this function, the external trigger signal can be prescaled
- Slow Motion:	generation of slow motion effects to an ext. trigger signal or line frequency; adjustable duration
Phase shifter:	frequency-independent image shift (n x 360°) of the external trigger signal or line frequency; resolution: 0.01°, zeropoint adjustable via keypad
Display:	alphanumeric LC-Display with background illumination (2x20 characters)
Memory:	25 storage locations for acquisition and logging; memory even after power failure or disconnection
Accuracy:	0,001% - quartz timebase
Flash power control:	automatic power control over the entire frequency range
Input for external triggering:	7-pole DIN female connector with bayonet cap
Pulse output:	3-pole DIN female connector with bayonet cap, 12V positive, internal resistance 600 Ω, for controlling other MOVISTROB types, ext.counter,etc
Serial interface:	3-pole DIN female connector with bayonet cap, PC connection: V 24 / RS 232 – data exchange via two-wire cable, Baud rates: configurable via jumper (see datasheet), Formats: 7/8 data bits; N/O/E parity; 1/1.5/2 stop bits

Technical Data:

Power supply:	230 V / 50 Hz - 60 Hz, 115 V available on request
Housing:	light metal, adjustable for height with carrying handle
Dimensions:	246 x 87 x 200 mm
Weight:	total weight approx. 3,5 kg

MOVISTROB® Type 1000



Accessories:

- Carrying Box
- Handlamp Type 900.02
- Induktiv sensor Type 915
- IR-Photoelectric pickup Typ 910
- Protective Spectacles
- incl. Case Type 950.01
- Spare flash bulbs

Notice:

- Hand lamp model 900.02 included.
- Male connector for external triggering included.

