

Helio Strobe Gamma Type 728



General Description

A very versatile microprocessor controlled Stroboscope with an excellent frequency range of 0.1-1075 Hz (6 - 64,500 fpm), having a precision clock & high accuracy phase shift features.

This highly professional Stroboscope comes with many excellent features as standard, with the option to include an additional large diameter 160mm and powerful lamp unit driven from the one control unit, providing a very wide light spread, with the ability to control multiple slave units as necessary.

Microprocessor controlled, high-speed instrument with high, very constant brightness

Key features

- Synchronisation of several instruments possible
- Frequency range 0.1 ... 1075 Hz (internal) !!
- Precise clock generation and phase shifting
- Accurate measurement and delay with external clock
- Settings can be stored
- Safe operation with integrated monitoring functions (e.g. arc-through protection)
- Optional 2nd hand-held lamp socket

Technical data

Power supply	220 - 240 VAC / 110 - 120 VAC
Power consumption	approx. 500 W
Weight	5.5kg
Control	microprocessor
Frequency range, internal clock	0.1-1075 Hz
Frequency range, external clock	0.1 - 1075 Hz, higher frequencies (max. 10000 Hz) are divided automatically
Measuring range switching	automatic
Measured value display	digital, LC display, 2-digit, 9 mm character height
Display/ resolution	Hz / 0.01 Hz
Phase shifting (display)	ms
Phase shifting/trigger delay	
- Internal clock	• 0 - 999,999 ms (max. 1 period)
- External clock	• no delay • delayed 50 →s - 999,999 ms (max. 1 period)
- Clock input	• socket for external source (supply voltage 5 V / 12 V) • BNC • internal mains triggering
Input level	trigger level programmable +50 mV, +400 mV, +4 V, hysteresis +10% / -30%, positive or negative slope programmable input voltage -20 V..+20 V
Measurement duration	0.5s
Impulse period (ext. trigger)	approx. 200 us
Input impedance	330 kOhm in the 0 ... 5 V range The input impedance falls to 10 kOhm outside this range
Clock output	separate outputs for direct and delayed clock
Output voltage	0 V / 5 V positive or negative impulse programmable
Output resistance	low impedance to ground, 470 Ohm to +5 V
Flash energy	
Range 1	0.25 Ws (1075 Hz max)
Range 2	0.50 Ws (525 Hz max))
Range 3	0.75 Ws (350 Hz max)
Range 4	1.00 Ws (275 Hz max)
	automatic switching with restriction facilities
Operating time	automatic adjustment to energy and frequency. 20 s at 1000 Hz, cooling phase 40 s
Operating temperature	0° ... +40°C

Accessories

Inductive transducer
Trigger adapter
Synchronising cable
Reflection transducer
Transport case
Reflective pads

Supplied with own aluminium carry case

Order Codes	Description
728	Gamma strobe