
Datum: June, 2009
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Presse-Information

Bright and fast: The new LED Strobe from Rheintacho

RT Strobe pocket LED: Protection class IP65 and 300.000 flash/minute

With the RT Strobe pocket LED, Rheintacho introduced the worlds most bright portable LED strobe at present. But besides the high light output, this product offers some more important features for all applications.

- 1500 Lux brightness
- 30 – 300.000 flash per minute
- Splash proof and dustproof to IP65
- 11 hours continuous operation time with (3) standard AA rechargeable batteries.
- 5 hours with (3) standard AA batteries
- Triggerin- and output optionally available
- 400g weight (including batteries)

Rheintacho Elmar Lackermaier, head of engineering said: "We have been observing the market for high performance LEDs for quite some time. And for years, there has been no LED available which could satisfy our demands, which of course are high! But it is our philosophy, to go for leading technology."

But why LED? The answer is a bundle of reasons. Here is a choice of these: Highest flash rates (max. 300.000 FPM), extensive lifetime of LEDs, design-advantages, which make for example an IP65 instrument possible and also low power consumption.

The core of this strobe is in fact state-of-the art LEDs combined with a smart electronics. One of the crucial tasks of designing such a portable stroboscope, is to combine brightness with a long operating time. With a continuous use time of up to 11 hours, this instrument provides the user with an extensive operation time. The power supply by means of AA sized batteries offers inexpensive and freely available replacement batteries.

One further important feature of this LED strobe is the virtually unlimited lifetime of the single LEDs. This means no expensive xenon replacement bulbs which is a major cost consideration on whole life ownership and use of Stroboscopes.

Additionally, the completely new design of the LED pocket strobe offers a wide variety of adjustment possibilities. All designed and implemented to give the user the best possible use of the instrument. For example the flash duration can be adjusted either relative to flash rate (in degree) or absolute (in microseconds). So, for every application it is possible to choose exactly the right set of brightness and sharpness. The display of the flash rate is easily changed from Hz to FPM and back.

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With the model with trigger-connectivity it is possible to influence both the external signal and following that, the flash rate. Or the output signal to trigger any other device. Delays from signal to flash are adjustable relative or absolute. This function enables the user to have precise and sharp pictures even on machines with changing speed or during start-up of a production line.

In order to pursue further development in this field and also to document the high standard of quality of the complete stroboscope range, Rheintacho has developed a measurement unit that goes hand in hand with the development of the stroboscope. This enables precise measurements of flash strength and illumination geometry. Using a sophisticated system of sensors and appropriate software, the light output is measured, evaluated and charted on a close-meshed grid area. This equipment enables Rheintacho to optimize reflector design and the entire range of flash components.

Every Rheintacho stroboscope in this new product range is carefully calibrated and recorded using this equipment before being delivered to customers.

Further Rheintacho strobe products are a portable XENON strobe (ROLUX), a strobe control unit and a stationary stroboscope RT 3000 (for use eg at inspection or rewinding machines). Options include UV-kits and a choice of sensors for trigger input.

Rheintacho Messtechnik GmbH is a company steeped in tradition that has devoted itself to the concept of rotational speed as a decisive control factor in mechanical processes for over 100 years. Over 60 staff members are employed at the company headquarters in Freiburg. In-house development, production and assembly departments guarantee fast, innovative solutions for individual customer requirements. The production range encompasses a broad spectrum of high-quality technical solutions which focus on rotational speed: sensors, hand-held measuring devices, rotational speed indicators and switching devices. The British subsidiary, Foundrometers Instrumentation, (headquartered in Leeds) concentrates on the production of mechanical tachometers and analogue systems such as tachogenerators and indicators.

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