RHEIN TACHO

RT STROBE control

Perfect control and use
of stroboscopes.

**Multiple trigger
signal control**

**Suitable for Rheintacho
stroboscopes**

**Adapter for other
stroboscopes**

FPM 6256

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RT STROBE
control

For the right solution in every situation and immaculate image clarity.

RT STROBE control is your easy-to-handle control centre for any stroboscope, whether it is from Rheintacho or another manufacturer. Use it to create a trigger signal or to influence a signal generated externally. The multiplicity of control parameters make it easy for you to carry out the inspection or measurement tasks required of you. See a selection of typical cases below*.

Problem: The trigger signal is generated before the required observation point. Result: The stroboscope flashes too early.
Solution: Set a time delay between the input and output signals in ms steps until the stroboscope delivers the required view.

Problem: Your equipment is consistently transmitting the trigger signal before location to be observed. However, your equipment runs at different speeds. Result: Your stroboscope flashes at different locations, some of which are unusable.
Solution: Use phase shift (in degrees) to permanently shift the flash position. The stroboscope will now adapt automatically to changing speeds and will flash at a location which is shifted by the set angle.

Problem: An external trigger (e.g. a sensor) is monitoring a gear-wheel. Its frequency is many times greater than the required flash frequency. Result: You don't receive the required control image.
Solution: Instead of using each input signal, the impulse divider only triggers a flash impulse after every 10th, 25th or 255th input signal. Set the value in key steps or in "continous flow" mode until the required result is displayed.

Problem: You need measurement values to be displayed in a variety of formats.
Solution: You have the following options: the instrument can display FPM, rpm or Hz.

RT STROBE control

Technical data

Signal resolution	
Frequency	30.0...999.9 FPM ± 0.1 1,000...600,000 FPM ± 1
	0.5...999.9 Hz ± 0.1 1,000...10,000 Hz ± 1
Pulse width	absolute (± 1 µs) and relative (± 1°) adjustable
Phase shift	0...359° ± 1°
Delay	0.0...2,000.0 ms ± 0.1 ms
Divider	1...255 ± 1
Energy supply	
Power supply	10 – 32 V DC, with reverse polarity protection
Current intake	< 50 mA
Trigger input	
Principle	Optocoupler, voltage-free
Low level	< 1 V
Level	3…32 V, NPN + PNP
Minimum pulse length	50 µs
Reverse voltage protection: Yes	
Trigger output	
Principle	Short circuit and overvoltage proof transistor output to the opto-coupler control, non-isolated
Level	NPN, max. 32 V
Pulse length	adjustable
Maximum current	50 mA
Reverse voltage protection: Yes	
Housing	
Material	ABS / EPDM
Dimensions	162x82x40 mm / 6.4x3.3x1.6 inch
Weight	230 g
Ambient conditions	
Ambient temperature	0 …50 °C (32 …122 °F)
Media resilience	max. 95 % air humidity, non-condensing
Protection class	IP30

Scope of delivery

Stroboscope control unit
RT STROBE control, operating instructions, Trigger cable 1.5m, Certificate, case

Accessories (optional)

Power supply unit, mounting device, extension cable for trigger connection, adapter for stroboscopes of other manufacturers and Rheintacho stroboscopes of different construction types

Technical data subject to change without notice.

* Visit our website for detailed descriptions: www.rheintacho.de.