

Accurately read, display and check rotational speeds



RT STROBE control

Perfect control and use
of stroboscopes.

Multiple trigger
signal control

Suitable for Rheintacho
stroboscopes

Adapter for other
stroboscopes



**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 "continuous 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
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Pulse width	absolute (± 1 µs) and relative (± 1°) adjustable
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Phase shift	0...359° ± 1°
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Delay	0.0...2,000.0 ms ± 0.1 ms
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Divider	1...255 ± 1
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Energy supply

Power supply	10 – 32 V DC, with reverse polarity protection
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Current intake	< 50 mA
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Trigger input

Principle	Optocoupler, voltage-free
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Low level	< 1 V
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Level	3...32 V, NPN + PNP
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Minimum pulse length	50 µs
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Reverse voltage protection:	Yes
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Trigger output

Principle	Short circuit and overvoltage proof transistor output to the opto- coupler control, non-isolated
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Level	NPN, max. 32 V
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Pulse length	adjustable
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Maximum current	50 mA
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Reverse voltage protection:	Yes
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Housing

Material	ABS / EPDM
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Dimensions	162x82x40 mm / 6.4x3.3x1.6 inch
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Weight	230 g
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Ambient conditions

Ambient temperature	0 ... 50 °C (32 ... 122 °F)
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Media resilience	max. 95 % air humidity, non-condensing
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Protection class	IP30
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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

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

Technical data subject to change without notice.