Industry - Tachometer PAXR

- 5-digit, LED display
- max. 34 kHz, adaptable to all commercially available sensors
- Plug-in option: 2 or 4 limit values, as relay or transistor output
- Easy programming on the device via the keypad
- min/max value memory
- high degree of protection IP 65, dimensions: 48 x 96 x 104 mm

https://www.wachendorff-prozesstechnik.de/en/PAXR

Description

The PAX R industrial tachometer can of course also be used as a very flexible and accurate laboratory device. However, with its robust plastic housing and high protection class IP 65, it has been designed for rough industrial use. The sophisticated electronics, which are used worldwide and designed for a long service life, undergo a 3-day quality test under full load before delivery. The device is configured quickly and safely via 5 buttons. The operator is pleased with the clear user interface, with which he can easily record and change all parameters at a glance. It can also be retrofitted with the plug-in limit value card.

Product details

Entrance	NPN, PNP sensors, CMOS, TTL, potential-free contacts, permanent magnet sensors are accepted. Setting via DIP switch. Attenuation adjustable to 50 Hz. Minimum input frequency: 0.01 Hz. Maximum input frequency: 34 kHz.
Display	5-digit, 14 mm high red LED. Min/max value: Display: L12345 or H12345.
Scaling	The tachometer can be freely scaled by applying a signal or entering values via the keypad.
Indicators	r, H, L Tachometer, maximum value, minimum value SP1 - 4 Output 1 - 4 is active
Keys	The device is programmed and operated using the 5 push buttons on the front.
User inputs	3 programmable inputs are available. They can be set to PNP or NPN switching via jumpers. Maximum input 30 VDC.
Power supply	PAXR0020/PAXR002B: 85 VAC to 250 VAC 50/60 Hz, 18 VA. PAXR0030/ PAXR003B: 11 VDC to 36 VDC, 14 W or 24 VAC +/-10 %, 15 VA.
Sensor supply	12 VDC, +/-10%, max. 100 mA, short-circuit proof.
Protection class:	jet-proof and dust-proof to IP 65 from the front.
Connection:	Fixed terminal strips
Ambient temperature:	Operation: 0°C to +50°C. Equipped with the limit value card: 0°C. Storage: -40°C to +60°C.

Pluggable relay output cards	1. 2 x relay changeover contact 5 A at 120/230 VAC or 28 VDC (ohmic load), 2. 4 x NO relay 3 A at 250 VAC or 30 VDC (resistive load), - 3. 4 x NPN-OC transistors: max. 100 mA at Vsat = 0.7 V, Vmax 30V, - 4. 4 x PNP-OC transistors: Internal supply: 24 VDC +/-10%, max. 30 mA all 4 transistors. External supply: max. 30 VDC, 100 mA for each individual transistor.
Other	Housing: dark red, impact-resistant plastic housing. The electronic insert can be pulled out to the rear. Dimensions: W 97 mm x H 50 mm x D 104 mm. Panel cut-out according to DIN: 92 mm x 45 mm. Fastening via mounting frame with clamping screws. Relative humidity: max. 85% rH, non-condensing. Output card: The device can be easily upgraded with one of the 4 limit value cards. You can easily install the card yourself.
Customs tariff number:	9029 20 38
Manufacturer:	Red Lion

Products Order no.

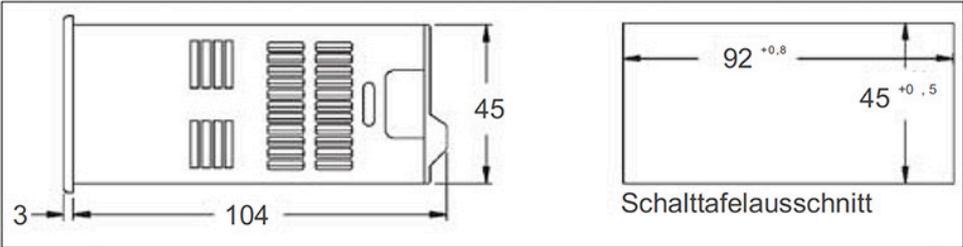|	
PAXR0020	PAX R tachometer with 85 to 250 VAC supply
PAXR0030	PAX R tachometer with 11 to 36 VDC/24 VAC supply

Accessories Order no.

BMK90000	Top-hat rail adapter for mounting the PAX series on a top-hat rail (WxHxD) 114 mm x 63.5 mm 133 mm
ENC5A000	All-round IP65 steel housing for one device (WxHxD) 140 mm x 83 mm x 120 mm
ENC5B000	All-round IP65 plastic housing for one device (WxHxD) 188 mm x 188 mm x 130 mm
ENC5C000	All-round IP65 plastic housing for two devices (WxHxD) 188 mm x 188 mm x 130 mm

GEH0IP65	All-round IP65 aluminum housing for one device, finished with black powder coating, (WxHxD) 168 mm x 83 mm x 220 mm
PAXCDS10	Pluggable relay output card 2 x changeover contact
PAXCDS20	Pluggable relay output card 4 x NO contact
PAXCDS30	Pluggable transistor output card 4 x NPN
PAXCDS40	Pluggable transistor output card 4 x PNP

Drawings

Dimensions (mm):

92 $^{+0,8}$

45 $^{+0,5}$

45

3 — 104

Schalttafelausschnitt

Abmessungen (in mm)