

Pulse(Rate) Meters

LR5N-B

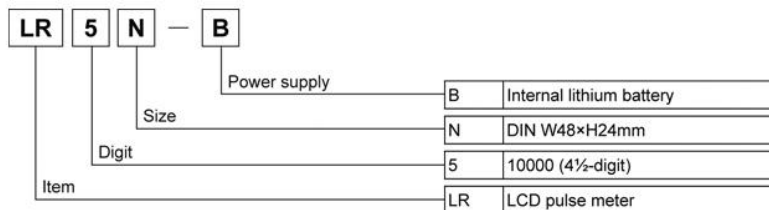


DIN W48×H24mm, Indication only, LCD Pulse Meter(RPM,RPS,HZ)

Compact LCD pulse indicator LR5N-B Series is upgraded version of LR7N Series. The series contributes to better user convenience by adopting 1 pulse input per rotation method and wide display range up to 10,000rpm. Moreover, built-in battery allows no power supply and wiring works. Rotator's RPM and RPS display function in another feature of LR5N-N Series to increase user's satisfaction.

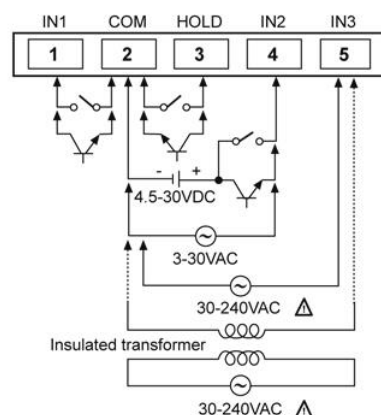
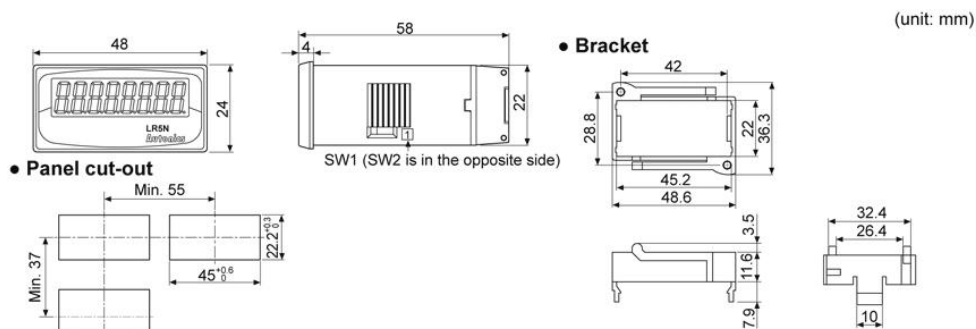
Features

- * Upgraded version of LR7N series
- * Easy of 1 pulse input method per 1 revolution
- * Display up to 10000RPM
- * No need power supply by internal battery
- * Protection structure IP66(Front panel only)
- * Displays RPM, RPS of rotator
- * Displays AC line frequency



Model	LR5N-B					
Input method	No-voltage input		Voltage input 1		Voltage input 2	
Input signal level	Short-residual voltage : Max. 0.5V Max. short-circuit impedance : Max. 10kΩ Max. open-circuit impedance : Min. 500kΩ		DC	High input voltage range : 4.5-30VDC Low input voltage range : 0-2VDC		Voltage: 30-240VAC
			AC	Voltage: 3-30VAC		
Power	No-power [includes lithium battery (replaceable)]					
Battery life cycle	Over 3 years at 20°C (replaceable)					
Display method	LCD Zero blanking method (character height: 8.7mm)					
Display digits	5-digit					
Display range and Display accuracy	Display range			Display accuracy		
	RPM	1 to 10000RPM		1 to 5000RPM: F.S.±0.05%±1-digit		
	0.1RPM	0.1 to 1000.0RPM		5001 to 10000RPM: F.S.±0.1%±1-digit		
	Hz	1 to 1000Hz		F.S.±0.05%±1-digit		
	0.1Hz	0.1 to 100.0Hz		F.S.±0.1%±1-digit		
	RPS	1 to 1000RPS				
HOLD function	Includes (external HOLD function)					
Insulation resistance	Over 100MΩ (at 500VDC megger)					
Dielectric strength	2,000VAC 50/60Hz for 1 min (cutoff current=10mA)					
Vibration	Mechanical	0.75mm amplitude at frequency of 10 to 55Hz (for 1min) in each X, Y, Z direction for 1 hour				
	Malfunction	0.3mm amplitude at frequency of 10 to 55Hz (for 1min) in each X, Y, Z direction for 10 min				
Shock	Mechanical	300m/s² (approx. 30G) in each X, Y, Z direction for 3 times				
	Malfunction	100m/s² (approx. 10G) in each X, Y, Z direction for 3 times				
Environment	Ambient temperature	-10 to 55°C, Storage: -25 to 65°C				
	Ambient humidity	35 to 85%RH, Storage: 35 to 85%RH				
Protection structure	IP66 (when using waterproof rubber for front panel), terminal cover (finger protector)					
Weight ^{※1}	Approx. 91.5g (approx. 59g)					

※1: The weight includes packaging. The weight in parenthesis is for unit only.
 ※Environment resistance is rated at no freezing or condensation.



※Please use reliable contacts enough to flow 5μA of current when using input signal or reset signal as a contact.

※IN1 - No-voltage input

IN2 - Voltage input

• DC voltage input

• AC voltage input: Display AC frequency.

IN3 - AC voltage input: Display AC frequency.

※Choose one among IN1, IN2 and IN3 to use.

⚠Caution for IN3 input

: If apply high voltage over 50VAC, it may cause an electric shock. Insulated transformer whose turn ratio is 1:1 must be installed, or countermeasures must be provided.

