## DIN W48×H24mm, Indication Only, LCD Pulse Meter (RPM, RPS, Hz)

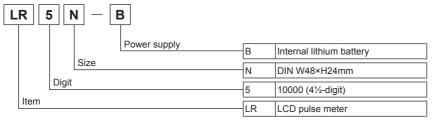
### Features

- 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



## Please read "Caution for your safety" in operation manual before using.

## Ordering Information

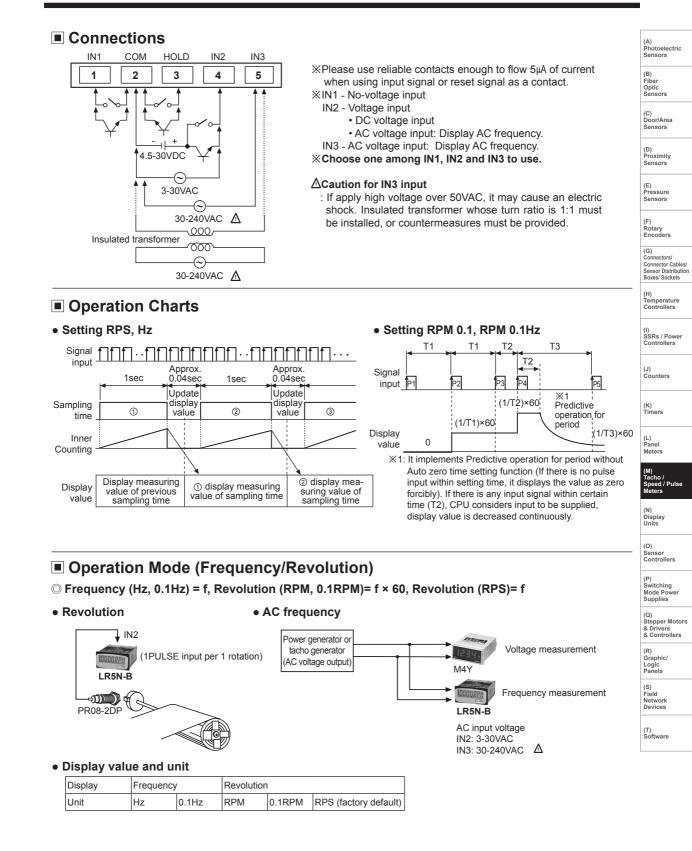


### Specifications

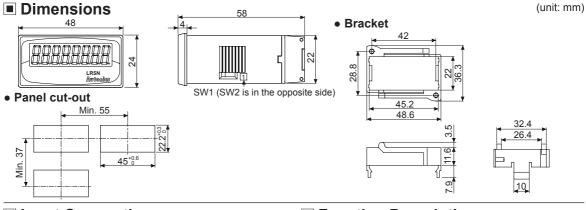
Model		LR5N-B					
Input met	put method		No-voltage input		Voltage input 1		Voltage input 2
Input signal level		Short-residual voltage : Max. 0.5V Max. short-circuit impedance : Max. 10kΩ Max. open-circuit impedance : Min. 500kΩ		DC	High input voltage range : 4.5-30VDC Low input voltage range : 0-2VDC Voltage: 3-30VAC		Voltage: 30-240VAC
				AC			
Power		No-power [includes lithium battery (repl			placeable)]		
Battery life cycle		Over 3 years at 20°C (replaceable)					
Dispaly method		LCD Zero blanking method (character height: 8.7mm)					
Display di	igits	5-digit					
Display range and Display accuracy		Display range				Display accuracy	
		RPM 1 to 10000RPM				1 to 5000RPM: F.S.±0.05%±1-digit	
					5001 to 10000R		M: F.S.±0.1%±1-digit
		0.1RPM	0.1 to 1000.0RPM			F.S.±0.05%±1-digit	
		Hz	1 to 1000Hz			F.S.±0.1%±1-digit	
		0.1Hz	0.1 to 100.0Hz				
		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					
, brauon	Malfunction	0.3mm amplitude at frequency of 10 to 55Hz (for 1min) in each X, Y, Z direction for 10 min					
Shock	Mechanical	300m/s <sup>2</sup> (approx. 30G) in each X, Y, Z direction for 3 times					
	Malfunction	100m/s <sup>2</sup> (approx. 10G) in each X, Y, Z direction for 3 times					
Envion- ment	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 <sup>**</sup>		Approx, 91.	5q (approx. 59q)				

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

# **Compact LCD Pulse Meter**



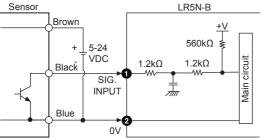
# I R5N-B



#### Input Connections

#### Standard input sensor

: NPN open collector output type



## Function Description

#### RESET

It initializes an unit and front LCD display. There are not indicated when set switch1 as RESET.

#### HOLD

2

1

It stops display value by short circuit HOLD terminal when it is hard to read the value because of frequent input changes.

2

1

2

1



1 2

Select one among ×1, ×0.1 and RPS by SW2.

Terminal

block

② Shift SW1 to RESET.

SW 1

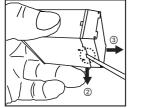
③ Select one again between RPM/RPS and Hz by SW1.

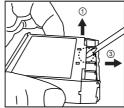
2

%If set display range and front display LCD unit are not same, shift SW1 to RESET and select RPM/RPS or Hz.

#### Case Detachment And Battery Replacement

Case detachment



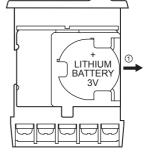


%Hold up Lock part toward ①, ② of the product with the tool and pull toward ③, the case is detached. A Please be careful of the injury caused by tools.



2

1



2

- 1) Detach the case.
- 2) Push the battery and detach toward ①.
- 3) Insert new battery with correct alignment of polarity pushing toward opposite of ①.
- ※Battery is sold separately.

\*Do not burn up or disassemble the lithium battery.