

DIGITAL PANEL METER PROCESS INDICATORS

RPM METER/ PROXIMITY SENSING DISPLAY



Y9-RPM



Y4-RPM

FEATURES

- Measures and displays RPM from input signal generated via
- NPN ,PNP Proximity & micro switch sensors.
- No of Poles can be programmed.
- Password Protected.
- Instantaneous RPM of the rotating motor shaft is displayed.
- Auto scaling response time less than 1 second.
- Easy Programming with push buttons on front facia.
- RS-485 option available on demand.
- Relay Output for alarm can be provided.(optional)
- Data logging facility. (optional).

SPECIFICATION

Display	: 4 Digit Red LED Super Bright Display
Digit Height	: 0.56"/14.2mm
Maximum display	: 0-8000 rpm.
Resolution	: 0001 to 1 Count Depending on Range/ Scale Display
Display Stability	: With in ± 2 Digit
Faceplate /Lens	: Polycarbonate Transparent
Case/Housing Material	: FR-ABS Black
Connectors /Terminal	: Nylon 66, 33%GF,Black/Brass
Mounting Clamps	: Sturdy, Moulded Glass filled nylon with screws.
Decimal Point	: Auto Scrolling
Dielectric Strength	: 2.5KV @50 Hz for 1 minute between Input -Auxiliary & Case - Terminals
Impulse Withstand	: 3.5.KV, 1.2/50 micro Second
Refresh Rate	: Per 8.0ms

Maximum Overload	: DC voltage : 1.2 Times Continuous of rated.
Sensing speeds	: Slowest, Slow, Medium, Fast, Fastest.
Auxiliary Supply	: 150-300V AC, 45-270V AC /DC, 19-60V AC /DC
Input Signal	: 24 V DC Pulse from proximity sensor and microswitch.
SCALE	: 0 - 8000 value.
Accuracy Class	: 1 & 0.5
VA (Burden)	
Auxiliary	: ≤ 1.5 VA
Voltage Input	: ≤ 1.0 VA
Environment	
Calibration	: $27^{\circ}C \pm 5^{\circ}C$
Operating	: 0° to $+60^{\circ}C$, RH<70%
Storage	: -10° to $+70^{\circ}C$, RH<70%
Metering Standard	: IEC62053-10

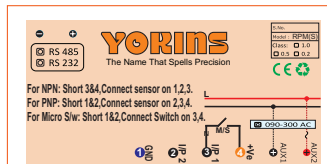
DIMENSIONS (MM)

MODEL	Y4-RPM	Y9-RPM
FRONT	48 X 96	96 X 96
DEPTH (Behind Bezel)	74	39.5
Panel Cut -Out	44 ^(+0.5-0.0) x 92 ^(+0.8-0.0)	92 ^(+0.8-0.0) x 92 ^(+0.8-0.0)

ORDERING INFORMATION

MODEL	SENSING VIA	ACCURACY CLASS	AUX SUPPLY
Y9-RPM	NPN SENSOR	1.0	150-300V AC (TX Supply)
	PNP SENSOR	0.5	45-270V AC /DC
	MICRO SWITCH		19-60V AC /DC
Y4-RPM	NPN SENSOR	1.0	150-300V AC (TX Supply)
	PNP SENSOR	0.5	45-270V AC /DC
	MICRO SWITCH		19-60V AC /DC

TERMINAL CONNECTION



TERMINAL NUMBER	DESCRIPTION	PNP N/O
16	● AUX1	
15	● AUX2	
10	● POSITIVE	
11	● INPUT 1	
12	● INPUT 2	
13	● GROUND	

For NPN: Short 10&11, Connect sensor on 11, 12, 13.
For PNP: Short 12&13, Connect sensor on 10, 11, 12.
For Micro Sw: Short 12&13, Connect Switch on 10, 11.

Y4-RPM

*WHILE ORDERING PLEASE MENTION RANGE, CLASS & AUX SUPPLY & FOR BULK CUSTOMIZED INQUIRES PLEASE CONTACT SALES.