



LCD

Application

The digital panel meters **RISH DPM** have been designed for industrial applications, which frequently require precise and on-site adjustment of the display range. It can be used in industrial automation and for laboratory uses.

Salient Features

- 3/64 DIN Indicator
- Screw terminal connectors for easy installation
- LCD: 4-1/2 digit 0.5" high LCD display with optional negative image, bright red backlighting
- Limited range display scaling
- User selectable decimal point
- Span adjustment and offset adjustment through potentiometer

Technical Specifications

Specifications	4-1/2 Digit LCD Display	
Display Type	7 Segment	
	Height	0.5" (12.7mm)
Decimal point (Selectable)	4 position	
Overrange Indication	Most significant digit = "1"	
Backlighting	Optional negative image, Red Backlight	
Polarity	Auto with "-" indication; "+" implied	
Power Requirements AC Volt	85-250VAC @ 40-440Hz	
Power Consumption	4.0VA (2.4W) Max	
Isolation	250Vrms Max	
Accuracy @ 25°C AC TRMS V	±(0.5% of reading + 5 count) (50Hz - 2KHz)	
Excitation Current	25mA (Maximum)	
Environmental Operating Temperature	0 to 55°C	
Storage Temperature	-10 to 60°C	
Relative Humidity	0 to 85% non condensing @ 40°C	
Temperature Coefficient	0.2% of input ± 0.5 digits/°C	
Warm-up Time	Less than 20 minutes	
Mechanical	Bezel	0.95" * 2.84" (24mm * 72mm)
	Depth	2.36" (60mm)
	Panel Cutout	0.88" * 2.68" (22.2mm * 68mm)
	Case Material	94-0, UL-rated, glass-filled thermoplastic

Measuring Range

AC TRMS Voltage

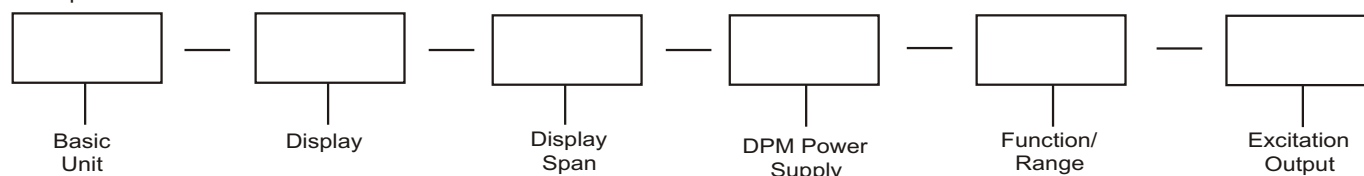
Range	Resolution	Input Impedance	Max Overload Allowed	Display Type		Display Span
270V	100mV	1MΩ	270VAC	Non Backlight (LCD)	Negative Image Red (LCD)	19999

Display Scaling

RISH R412 indicators have limited range coarse and fine adjustments for display scaling. There are no optional connections required for these to function. The "COARSE" calibration will allow a limited range of scaling values. The meter can be scaled down to ½ the value of the input, but not scaled up. Maximum scaling is maximum input or a maximum reading of 1.9999, whichever is lower. The "FINE" calibration allows for an approximate range of 1% of the "coarse" calibration.

Ordering Information

RISH DPMs can be configured by making an entry in each section.
Example: R412-0-11-0-36-0



Ordering information

Ordering information	Ordering Code
Basic Unit	
4-1/2 Digit	R412
Display	
Non Backlight (LCD)	0
Negative Image Red (LCD)	1
Display Span	
19999	11
DPM Power Supply	
85-250VAC	0
Function/Range	
270 VAC TRMS	36
Excitation Output (N/A w/Frequency)	
None	0
12 DCV @ 25mA	1
24 DCV @ 25mA	2



www.rishabh.co.in

RISHABH
INSTRUMENTS
Measure, Control & Record with a Difference

RISHABH INSTRUMENTS PVT.LTD.

F-31, MIDC, Satpur, Nashik-422 007, India.

Tel.: +91 253 2202028, 2202202 Fax : +91 253 2351064

E-mail : India :- marketing@rishabh.co.in

International :- exp.marketing@rishabh.co.in

www.rishabh.co.in