

General Specifications

GS 61ARM-01E-A

Model RM3 Rudder Position Meters

Overview

This series of back-lit meters provides a continuous analog indication of the rudder position of a boat or ship based on an input signal from a position transducer.

Features

- 3.1" diameter indicator face with white pointer.
- +/- 125° element/pointer movement
- Customizable scaling/markings, colors, and logos
- Span adjustment for voltage input, span and zero adjustment for resistance bridge input (no adjustment for current input)
- Incandescent T3 ¼ wedge type bulb (LED lighting to soon be available) 12 or 24 VDC, replaceable from the back of the unit
- Accuracy +/- 2.5 degrees (for positional accuracy of the rudder, not including sensor error, multiply full scale rudder deflection by 0.02)
- Dielectric Withstand Voltage of 1000 VAC/60 Hz from input to can for 10 seconds



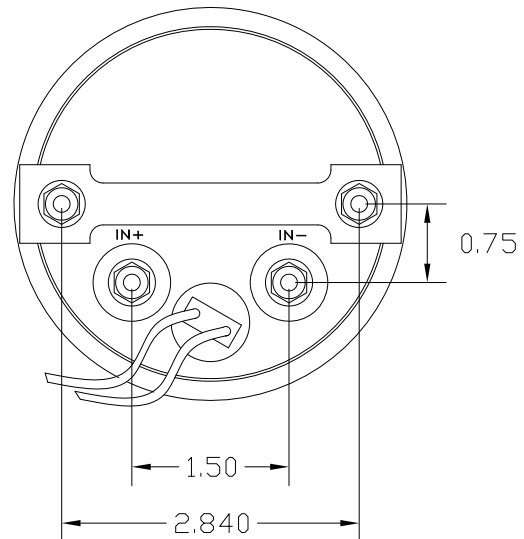
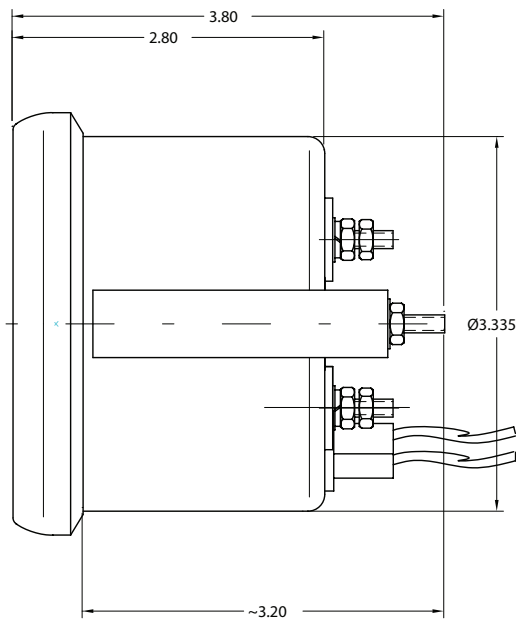
Model And Suffix Codes

Digits 1, 2, 3	Digits 4 & 5	Digit 6	Digits 7	Digits 8, 9	Digits 10, 11, 12, 13
Model	Input Type	Zero Pointer Position	Back Light Voltage (+/- 15%)	Factory Code	Scale Designator
YRM3: Nominal 3.1" round rudder position meter	-A1: +/- 1 mA DC (42 Ω terminal resistance)	U: Up pointer zero position	1: 12 V DC	Always -1	Established at time of order
	-A2: +/- 500 μ A DC (185 Ω terminal resistance)	D: Down pointer zero position	2: 24 V DC		
	-V1: +/- 100 mV DC				
	-V2: +/- 200 mV DC				
	-V3: +/- 300 mV DC				
	-V4: +/- 400 mV DC				
	-V5: +/- 500 mV DC				
	-R1: 500 ohm resistance bridge*				

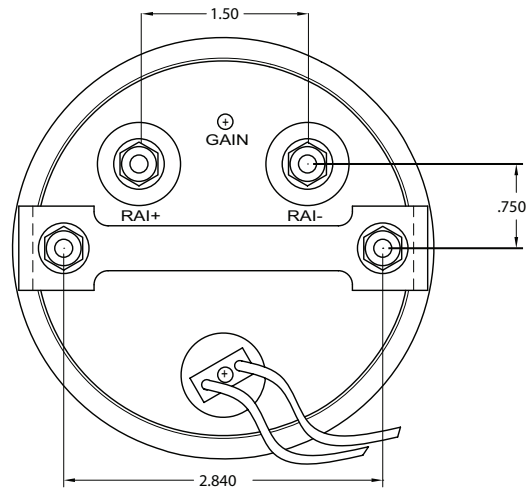
* Requires a user supplied 10 V DC - 40 V DC power supply (50 mA maximum current draw).

Example: YRM3-A1U1-1/_/_/_: YRM3 rudder meter with $\pm$ 1 mADC input, up pointer zero position, 12 V DC back light voltage. Other features defined by the last three characters of the model number that are established at the time of order.

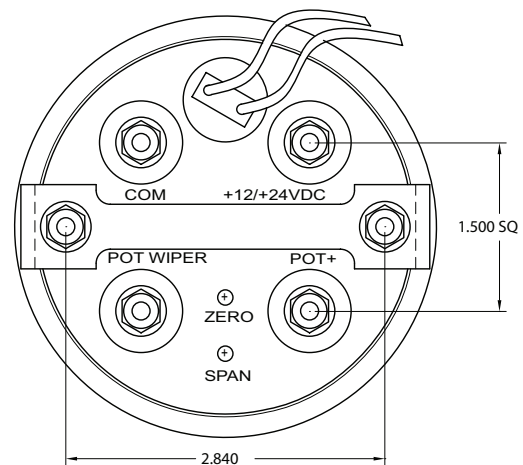
■ Mechanical Dimensions



Current input



Voltage input



Resistance Bridge input