

# RECORD Marine

## HERMETICALLY SEALED MOVING COIL INDICATORS



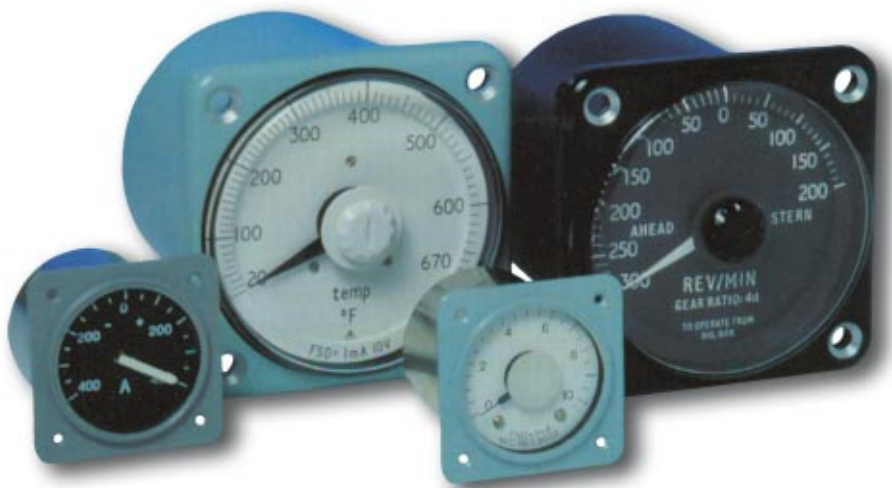
- 2 standard sizes, to DEF 66-7
- Accuracy to  $\pm 1\%$  (class 1).
- Long scale 240° Presentation.
- Dial markings to customer's requirements
- Hermetically sealed case.
- Robust "PREMIER" pivot & jewel movement
- Suitable for military and commercial applications.

available to DEF STAN 66-7

The **Marine** hermetically sealed range of panel meters has been designed to comply with the most stringent of marine and military applications, and has been engineered to withstand severe operating conditions. Because of this high specification they have often been used in other industrial areas where the robust sealed case design protects the movement system from harsh environmental factors.

The two standard sizes include the 4AH indicator which has a front zero adjuster, a moulded glass window and platform dial to reduce parallax error. The 2AH indicator has a non-reflective toughened glass window with a flat dial and knife pointer to improve scale readability.

The **Marine** hermetically sealed range utilises the 240° 'Premier' movement. This proven movement system has been manufactured using the very best precision components and automated production facility. These factors give the movement system its inherent reliability, linearity and accuracy.



Dials are marked to customer's requirements and can include coloured indices/lines/bands, dual multi scales and customer's name/logo etc.

Instruments are available for A.C. or D.C. applications. For large A.C. or D.C. current and voltage applications we could supply complete with external current/voltage transformers, shunts or suitable transducers.

### OPTION FEATURES

The 4AH meter can be illuminated internally. Long life filament lamps within the case illuminate

a translucent dial. Because the case is sealed two spare lamp sets are also fitted and can be utilised if one set fails.

The 2AH meter can be fitted with a 2 part dial and bold pointer to enhance the appearance and maintain readability. A rear zero adjuster can also be supplied.

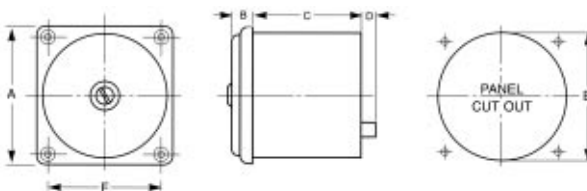
**Manufactured to BS89/DEF STAN 66-7 under the control of the ISO9001 Quality System.**

### Electrical Specifications

Type	D.C. Current		Full Scale Range For self-contained Instruments				A.C. Current		A.C. Volts	
	min	max	D.C. Volts		min	max	min	max	min	max
2AH	0.2mA	500mA	50mV	400V	-	-	-	-	-	-
4AH	0.2mA	20A	50mV	600V	1mA	20A	5V	600V		

Accuracy to BS 89 D.C. Ranges  $\pm 1.0\%$  (Class 1) mV & A.C. Ranges  $\pm 1.5\%$  (Class 1.5)  
For D.C. current ranges above those stated an external shunt could be supplied.  
For A.C. current ranges above those stated a current transformer could be supplied.

### Mechanical Specs & Dimensions



Type	Dimensions (units)					Scale Length (mm)	Weight (Approx) (Kgs)	Rear Zero	Options	
	A max (mm)	B max (mm)	C max (mm)	D max (mm)	E min (mm)				Dial Illumination Internal	External
2AH	60SQ	4	44	22	53	45	3	M3c'sk	85	0.3
4AH	110SQ	18	88	30	103	85.7	7.8	M6 c'sk	170	0.9

Standard Terminations

- 2AH M5 Stud with Solder Tag
- 4AH M5 Screw Fixing

Case Hermetically Sealed  
Standard Industrial Seal

- DEF 66-7 (Part 1), IP67
- IP 54

Finish Bezel Area

- Semi Gloss Light Grey or Black
- Operating Temp. range: - -40 °C to +70 °C
- Storage Temp. range: - -50 °C to +85 °C