

Frequency Meters

FREQUENCY METERS

All frequency meters tabulated in this section are of the ratiometer type, operating in conjunction with a special rectifier circuit and incorporating a sine wave filter.

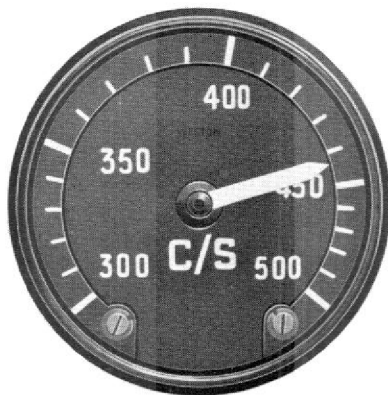
Various frequency ranges can be accommodated, namely:-

300	-	500 c.p.s.
240	-	360 c.p.s.
1200	-	2000 c.p.s.
1350	-	1850 c.p.s.
1800	-	2800 c.p.s.

Supply voltages of 115v or 208v are standard.

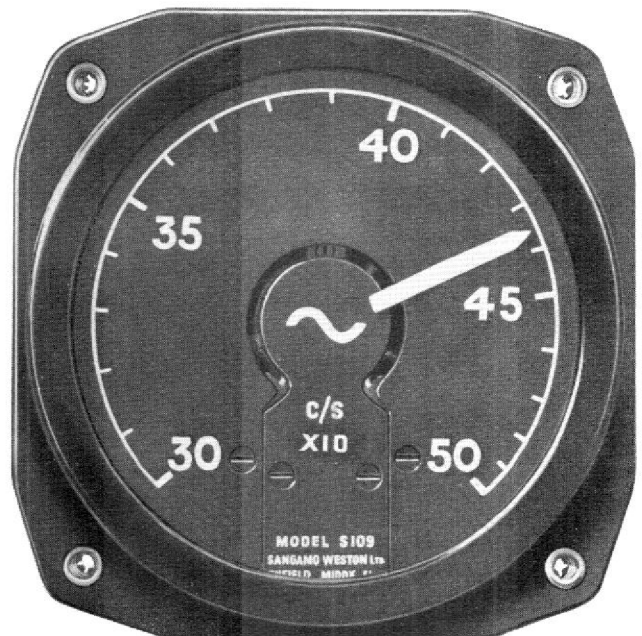
Where screw terminals are specified these can be supplied as No.4BA or No.6UNC. Both types will accept A.M.P. terminal tags.

Standard calibrated dials have white markings on a black background, but dials are also available with fluorescent markings on a black background or black markings on a white background.



Model S 149 Form 4

Typical Presentation



Model S 109 Form 6

Typical Presentation

FREQUENCY METERS

MODEL	FORM	DESCRIPTION	CASE DEPTH	APPROX. WEIGHT	NOM. SCALE ANGLE	NORMAL ACC. OF F.S.D.	ELECTRICAL CONNECTIONS	F.D.
S109	6	Large S.A.E. Case	4.56 in (116 mm)	22.75 oz (645g)	260°	± 1%	A3.B3	781
S109	3	Small S.A.E. Case *For use with external accessory box	2.53 in (64 mm)	10 oz (283g)	260°	± 1.5%	A3.B3	692
S149	4	2 in dial Steel sealed case. Platform dial. *For use with external accessory box	3 in (76 mm)	9.75 oz (276g)	260°	± 1.5%	A3.B3	1009

* Accessory Boxes for use with miniature type frequency meters are in the form of large S.A.E. cases to Drawing FD.1123.

When ordering, lead resistance between indicator and accessory box should be specified.

PREFERRED RANGES

All screw terminals and fixing nuts have Unified threads.

Dial: Black with White markings

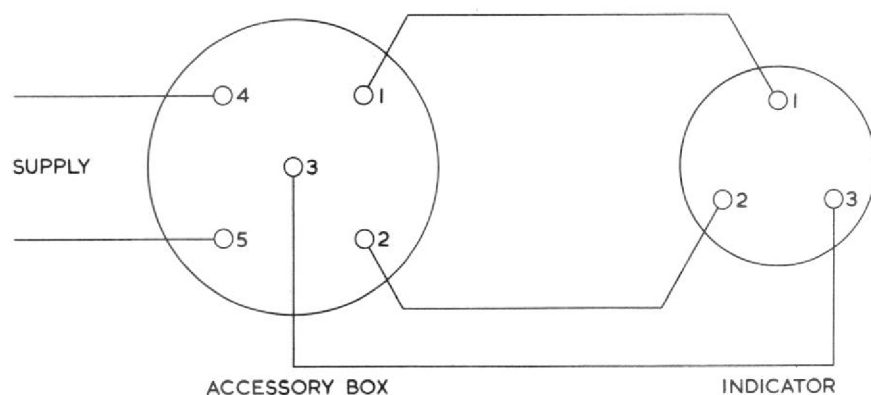
Pointer: White S109.3: Lance-narrow tip
 S109.5: Lance
 S149 : Lance

Calibrated for use at 115V

RANGE	2 in Dia. Sealed Screw Terminals	Small SAE Screw Terminals	Large SAE Screw Terminals
300-500 c.p.s.	S149.4.338 ACC.83	S109.3.78 ACC.97	S109.6.79 -



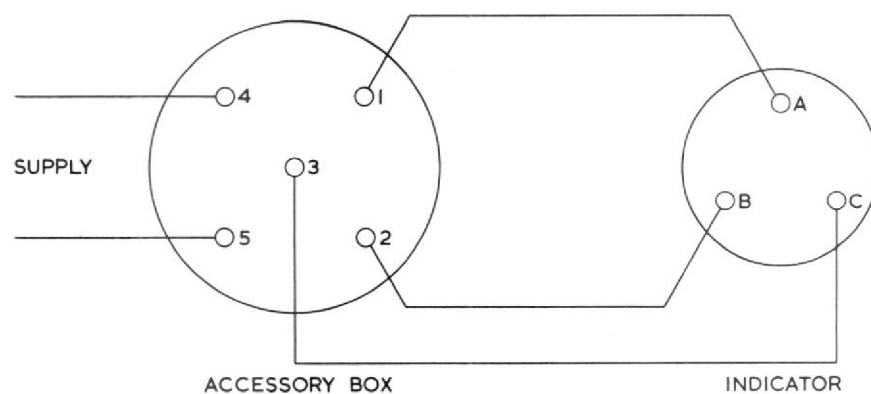
WIRING DIAGRAMS FOR FREQUENCY METERS



S 109 FORM 3 AND ACCESSORY BOX

S 109 FORM 6

Connect terminals marked 1 and 2 direct to supply



S 149 FORM 4 AND ACCESSORY BOX

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