

General information

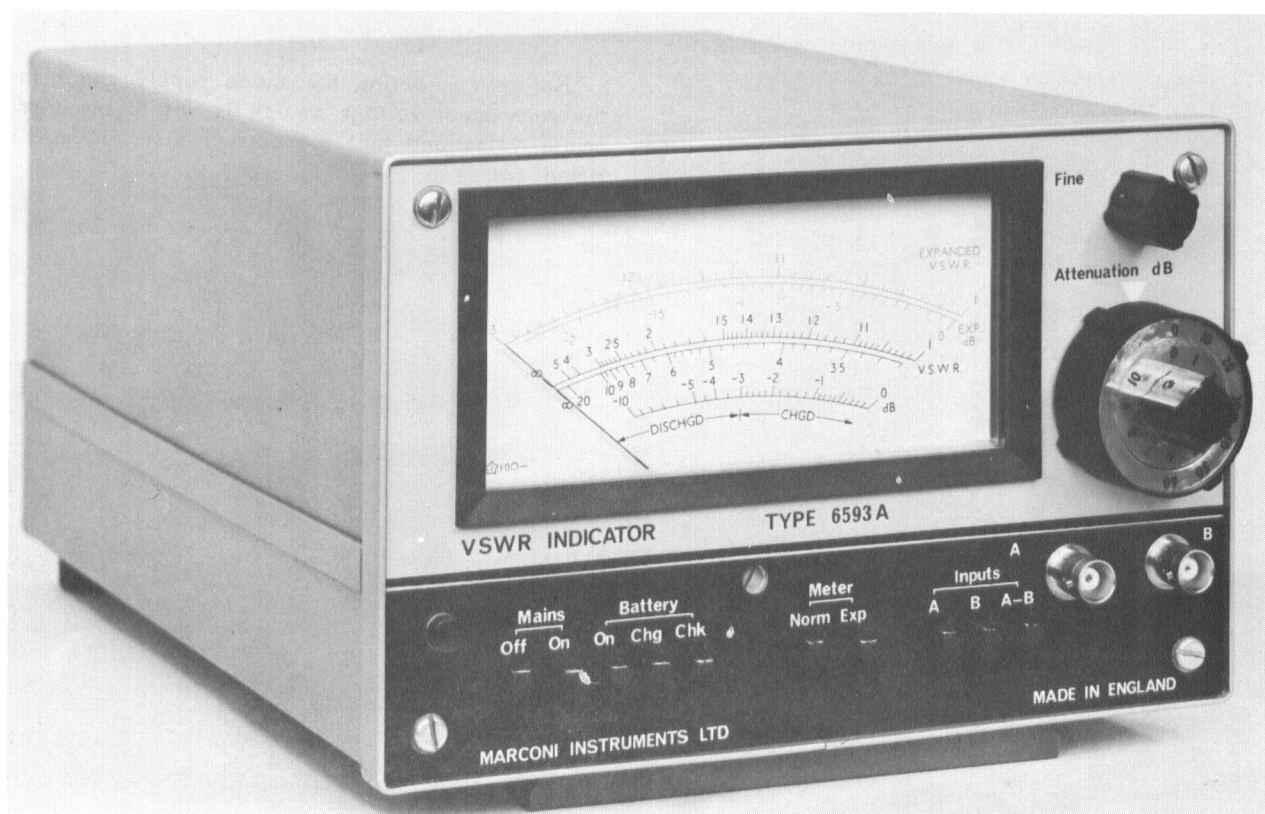


Fig. 1 Marconi Instruments V.S.W.R. Indicator Type 6593A

1.1 SPECIFICATION

AMPLIFIER

Inputs 2 channels, A and B. High impedance. 200 Ω Bolometer input, bias current 4.5mA.

Functions A,B, A-B, Bolometer.

Frequency range 800 Hz-1200 Hz variable.

Selectivity 20 Hz-100 Hz variable.

Sensitivity 0.5 μ V R.M.S. for F.S.D. on channels A and B.
0.15 μ V R.M.S. for F.S.D. on Bolometer input.

Noise level Below -10 dB level on meter at maximum sensitivity and bandwidth with high impedance input terminated in 50 Ω .

Output Proportional to meter indication.
1 volt corresponding to F.S.D.
Output impedance, 100 k Ω .

ATTENUATORS

Coarse 0 to 60 dB in steps of 10 dB $\pm$ 0.1 dB/10 dB. From 0-10dB $\pm$ 0.5 dB.

Medium 0 to 10 dB in steps of 1 dB $\pm$ 0.05 dB/dB.

Fine 0 to 1 dB continuously variable.

METER SCALES

VSWR 1.0 to ∞
3.16 to ∞

Expanded 1.0 to 1.3
dB range 0 to -10dB

Expanded dB range 0 to -2.2 dB

Battery check Discharged/Charged

Meter calibration For square law detector

Scale length 119,5 mm 4.7 in.

POWER REQUIREMENTS

A.C. mains 115 or 230V a.c. 50 to 60 Hz.

DIMENSIONS AND WEIGHT

Height	Width	Depth	Weight
140.5 mm	202 mm	284 mm	2.64 kg
5.53 in	7.95 in	11.2 in	5lb 13 oz

OPTIONAL ACCESSORY

2200186 Internal rechargeable battery pack.
permits use up to 20 hours continuous operation.