K.W. ELECTRONICS LIMITED.

Tel: Dartford 25574.

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Vanguard Works,
1, Heath Street,
Dartford, Kent.

K.W. 103.

OPERATING INSTRUCTIONS.

SWR METER OPERATION:

1) Connect the K.W.103 Meter into the coaxial feeder of the antenna. RF IN to transmitter and RF OUT to aerial using PL259 connectors.

2) Turn SENSITIVITY control to minimum (fully anticlockwise).

3) Set function switch to FORWARD.

4) Switch on transmitter, tuned to desired frequency and correctly loaded.

5) Adjust SENSITIVITY control for full scale deflection on the meter.

6) Set the function switch to REFLECTED. Meter will then indicate Standing-Wave-Ratio.

Note: The instrument may be left in circuit indicating the reflected power. It is not designed for use on bands higher in frequency than 30 MHz.

POWER METER OPERATION:

1) As (1) above; except for accurate RF power measurement the output of the meter should be fed into a Dummy Load of the same impedance.

2) Set High/Low power switch to conform to power output of transmitter
   i.e. 0-100 watts - low power.
   0-1000 watts - high power.

3) Meter will then indicate RF output power of the transmitter. When used into an Aerial System, the indication will be of RF Power into the feeder.