

SUMMARY OF DATA

PURPOSE

To monitor pulses of short duration.
Originally designed for Type 262.

DESCRIPTION

A general-purpose cathode-ray oscilloscope having a number of special features which render it particularly suitable for testing radar apparatus. "Y" deflecting potentials are given by a balanced D.C. coupled amplifier providing for a mixture of signals if two inputs are used. No direct connections to the "Y" plates are available. "X" deflecting potentials are given by a balanced A.C. coupled amplifier.

PERFORMANCE

"Y" Sensitivity High gain 9.6 mm/V,
low gain 1.2 mm/V.

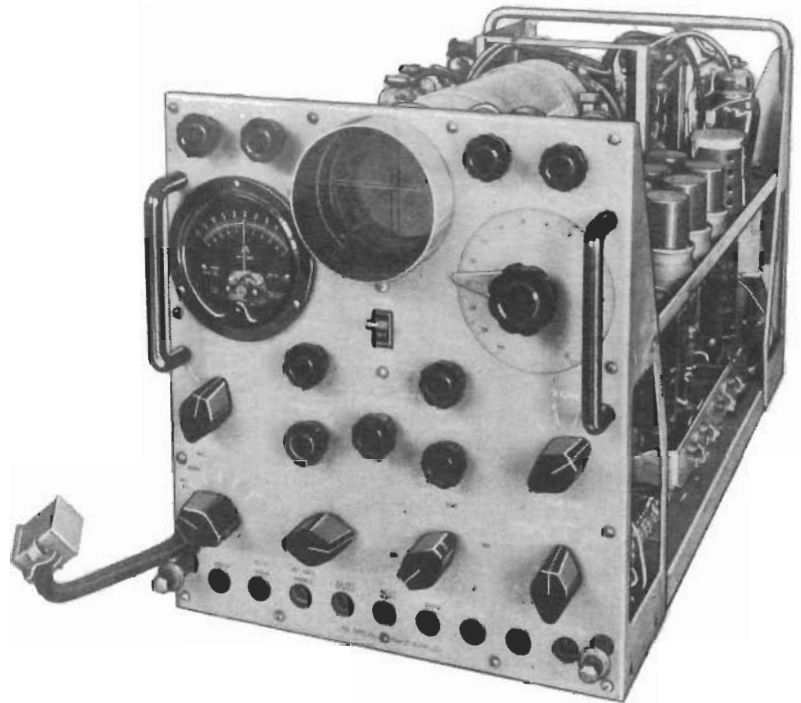
"X" Sensitivity High gain 3.0 mm/V,
low gain 0.37 mm/V.

Maximum Signal Input 5,000V (to built
in attenuators)

Voltage Measurement

D.C. 5 to 500V with 2% accuracy) smaller
A.C. 5 to 250V with 2% accuracy) voltages are
) less accurate.

A.C. and D.C. potentials up to 5,000V may be measured using built-in ^{attenuators} ~~potentiometers~~ with $\pm 4\%$ accuracy.



A.P. 55870A WAVEMONITOR G302

SCANNING PERIOD

3 microseconds to 50 milliseconds.

TIME INTERVALS

May be measured over a range of 50 milliseconds to a fraction of a microsecond. The accuracy between 50 milliseconds and 3 microseconds is $\pm 4\%$.

SYNCHRONISATION

Positive and negative. The scan may be synchronised with any portion of a complete sine wave.

GAIN CONTROLS

Steps of $\frac{1}{2}$, $\frac{1}{4}$, and $\frac{1}{8}$ of maximum amplitude are provided.

ATTENUATION

10:1 and 100:1 using internal attenuator.

POWER REQUIREMENTS

180V 500 c.p.s. or 80V 2000 c.p.s.

PHYSICAL DATA

Depth 27" Width 13 $\frac{1}{2}$ "
Height 14 $\frac{1}{2}$ " Weight 90 lb

REMARKS

The wavemonitor is not supplied with dust cover since it is normally fitted in a rack.

OTHER SERVICE OR COMMERCIAL DESIGNATION

E.M.I. Wavemonitor Type 2776A.

HANDBOOK

B.R.1771(10)

ESTABLISHMENT LIST

E.1015

PRODUCTION SPECIFICATION

10257R