



In adjustments of matching transformers for a particular VSWR or a VSWR as close to unity as possible, the motor-driven line has many advantages, one of which is that the standing-wave pattern can be seen continuously as adjustments are made.

Even for such single-frequency measurements as the adjustment of the VSWR of an antenna, valuable time savings are possible through the use of the sweep drive.

— R. A. SODERMAN

SPECIFICATIONS

Length of Sweep: Adjustable, 1 cm to 47 cm.

Sweep Speed Range: For complete sweep (47 cm), from one sweep in 20 seconds to better than one per second; for shorter sweeps, up to 5 per

second.

Maximum Sweep Output Voltage: 7 volts.

Power Supply: 115 volts, 50 to 60 cycles.

Net Weight: 16 $\frac{3}{4}$ pounds.

| <i>Type</i> | | <i>Code Word</i> | <i>Price</i> |
|-------------|--------------------------|------------------|--------------|
| 874-MD | Slotted-Line Motor Drive | STORY | \$220.00 |
| 874-LBA | Slotted Line | COAX RUNNER | 220.00 |

U. S. Patents 2,125,816 and 2,548,457.

NEW MODELS OF UNIT OSCILLATORS

The v-h-f and u-h-f Unit Oscillators, TYPE 1215-B, 50 to 250 Mc, and 1209-B, 250 to 920 Mc, replace the older A-models of the corresponding type numbers. Changes and improvements in the new models have been made to make them more easily adaptable to sweep applications with the TYPE 1750-A Sweep Drive and the TYPE 1263-A Amplitude-Regulating Power Supply and with the TYPE 908-P1 and -P2 Synchronous Dial Drives.

External changes consist of:

1. Replacement of screw terminals for modulation by a telephone jack.
2. Addition of back-of-panel stops to the main dial, which operate even when the slow-motion drive is removed to permit mechanical coupling to the main shaft.
3. Modification of the slow-motion drive to permit gear disengagement

when the Synchronous Dial Drive is used.

4. Replacement of the edge-riding indicator by a transparent plastic type to reduce acoustic noise when the shaft is motor driven.

5. Rotor has been firmly keyed to shaft in order to eliminate possible slippage when the shaft is motor driven.

The new TYPE 1208-B Unit Oscillator also incorporates all these changes except the ball bearings, which cannot conveniently be installed in this instrument. Since the tuned circuit employs sliding contacts, these, rather than bearings, will be the limiting factor in mechanical life for sweep applications. Although, for convenience, the jack for introducing a modulation voltage has been installed, the oscillator cannot be used with the TYPE 1263-A Amplitude-Regulating Power Supply, because



the polarity of the modulating voltage required is reversed from that used in the other two oscillators.

Prices and other specifications are unchanged from those of previous models.

| <i>Type</i> | | <i>Code Word</i> | <i>Price</i> |
|-------------|-----------------------------|------------------|--------------|
| 1215-B | Unit Oscillator, 50-250 Mc | ADOPT | \$190.00 |
| 1209-B | Unit Oscillator, 250-920 Mc | AMISS | 235.00 |
| 1208-B | Unit Oscillator, 65-500 Mc | AMEND | 190.00 |

U. S. Patents 2,125,816 and 2,548,457.

HOLLAND-BELGIUM REPRESENTATION

It is with great regret that we announce the retirement of Mr. A. A. Posthumus, Baarn, Holland, as our exclusive representative for Holland, Belgium and their colonies, after an association of more than thirty years.

The efficient, business-like and meticulous services always rendered our

valued clients by Mr. A. A. Posthumus will be continued by our new representatives, the able and well-known firm of Groeneveld, van der Poll & Co's, De Ruyterkade 41-43, Amsterdam, Holland, whose experience in the importation of technical electrical equipment extends back to 1887.

EGYPTIAN REPRESENTATION

We take pleasure in announcing the appointment of Moustapha Ezzat Abdel Wahab & Company, 106, Mohamed Bey Farid Street, P.O. Box 1537, Cairo, as our exclusive representatives for Egypt.

Dr. M. A. El-Said, one of Egypt's foremost electronics authorities, will act as technical consultant to the firm

in connection with the application and sale of all General Radio products. Dr. El-Said has a long background of experience in this field and has spent much time in our main engineering laboratories in Cambridge, Mass., U. S. A.

This appointment was effective on January 24, 1955 upon the resignation of Messrs. Casdagli & Company.

PHOENIX—BOSTON—BETHESDA—DAYTON

In April and May, General Radio products are on display in the Southwest, in the Midwest, and on the Eastern Seaboard. If you are attending any of the following meetings, General Radio engineers extend to you a cordial invitation to visit the GR booth and to talk over your measurement problems.

Seventh Region IRE Conference
 Hotel Westward Ho, Phoenix, Arizona
 April 28 and 29

New England Radio-Electronics Meeting
 Sheraton Plaza, Boston, Mass.
 April 29 and 30

Fifth Annual Research Equipment Exhibit and Instrument Symposium
 National Institutes of Health, Bethesda, Maryland
 May 2 to 5

National Conference on Airborne Electronics
 Dayton Biltmore Hotel, Dayton, Ohio
 May 9 to 11

GENERAL RADIO COMPANY

275 MASSACHUSETTS AVENUE
 CAMBRIDGE 39 MASSACHUSETTS
 TELEPHONE: TRowbridge 6-4400

PRINTED IN U.S.A.