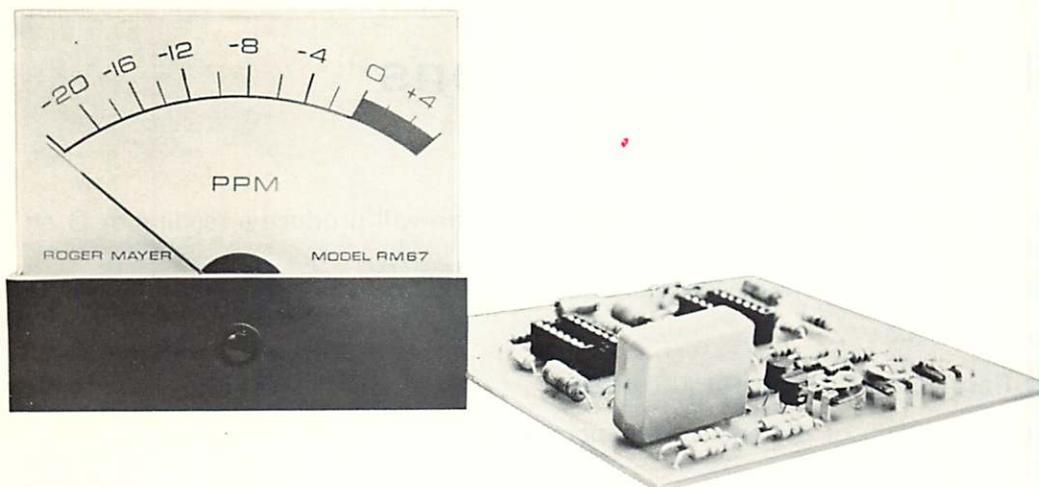


RM



RM 67 Peak Programme Meter

The Peak Programme Meter or PPM is used by Broadcasting and Recording Studios throughout the World as an alternative to the VU Meter where greater accuracy and ease of reading is required.

By very careful design of the RM 67 meter ballistics, the meter rise time has been improved to 40ms compared to 300ms of a VU meter. This substantial improvement in rise time is still not sufficient to enable the meter to measure short duration peaks found in certain programme material. An electronic storage device is used and takes the form of a fast charge integrator with slow decay characteristics. This technique coupled with the improved meter movement overcomes mechanical inertia and the RM 67 PPM incorporating the above technique reads the true peak level of the most difficult instrument.

The PPM scale is linear in Db and offers an extended range of meaningful readings whereas the VU scale is linear in voltage having a limited range. The slow decay on the PPM meter needle is much more restful to the eye than the bobbing VU needle and is an advantage on long sessions.

If a VU is treated as a peak meter and the record level adjusted to give a nominal peak level, the amount of instantaneous distortion will depend upon the type of programme material. Therefore operating skill and experience is required, the PPM however gives the correct peak level and thus there is much less likelihood of distortion through over recording. Because the peak level determines tape distortion it follows that knowing its correct value enables one to set up a Tape Recorder for a given amount of distortion. Engineers can therefore record the most difficult instruments easily and to the full capability of the tape without over or under recording. By careful initial alignment of record level it is possible to consistently obtain an increase in dynamic range of 3-4Db over conventional procedures using VU meters.

It is because of this unique ability of the Peak Programme Meter that it has gained wide acceptance for Tape Recording, Master Cutting and Broadcasting where the maximum must be extracted from the medium used.

Technical Specifications

Maximum Input Sensitivity. An input level of -3 dbm will produce a reading of 0 on the meter.
(Adjustable)

Meter Scale Range. 7 divisions of 4db calibrated from -20 to $+4$

Input Impedance. 5K

Frequency Response. Flat from 15Hz to 50Khz.

Scale Accuracy. $\pm \frac{1}{4}$ db of the correct 4db per division with the possibility of this error being greater in the first two divisions.

Meter Overshoot. Less than 1% under all conditions.

Power Requirements. 24 Volts Dc at 8ma stabilized power supply.

Meter Size. RM 67 325 3.5 x 3.0
RM 67 225 2.6 x 2.4

Illumination. Available on the RM 67 325L as an extra with lamp voltages of 6, 14, 28 volts.

Price. RM 67 325 \$85.00
RM 67 325L \$95.00
RM 67 225 \$85.00

All prices are FOB N.Y., N.Y. and are for single units.
Please apply for quantity discounts.

Available from: —