

SOLARTRON

TRUE R.M.S. VOLTMETER VM 1483
VM 1484

TENTATIVE DATA

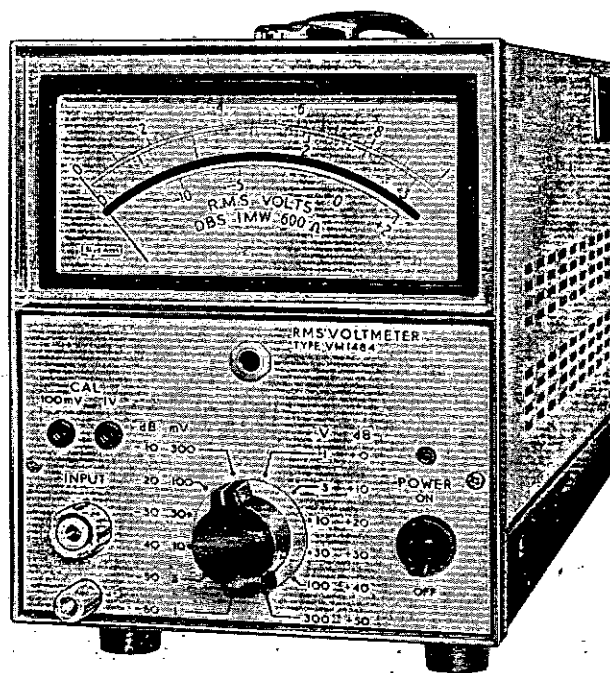
- * LINEAR SCALE TRUE R.M.S. READING
- * HIGH CREST FACTOR RATING
- * DC OUTPUT PROVIDES R.M.S. - AC TO DC CONVERTER WITH DIGITAL VOLTMETER READING FACILITY

VM 1483

- * VOLTAGE RANGE 100mV to 1 VOLT
- * ACCURACY 2% FROM 10c/s - 100Mc/s
0.2% AT MIDBAND FREQUENCIES
- * INPUT IMPEDANCE 50 OHMS
- * DC CALIBRATION WITH D.V.M.
MONITORING FACILITY
- * 6 VOLT CONTINUOUS OVERLOAD

VM 1484

- * 100 μ V TO 300 VOLTS IN 12 RANGES
- * ATTENUATOR WITH 10dB STEPS FROM
- 72dB TO +50dB
- * ACCURACY \pm 1% F.S.D. FROM 50c/s -
3Mc/s, \pm 5% F.S.D. 10c/s - 10Mc/s
- * INPUT IMPEDANCE 10M/20pF
- * 0.5% SQUARE WAVE CALIBRATOR
- * FULL OVERLOAD PROTECTION



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SPECIFICATION VM 1484

VOLTAGE RANGES:	1mV F.S.D. to 300V F.S.D. in 12 ranges in 1, 3, 10 sequence. Scales arranged to give constant dB scale, to omit the 10dB attenuator, ranging from -72dB to +50dB. Readings down to 100 μ V can be made.
ACCURACY:	$\pm 1\%$ of F.S.D. from 50c/s to 3Mc/s $\pm 5\%$ of F.S.D. from 10c/s to 10Mc/s Useful readings at frequencies outside this range.
CREST FACTOR RATING:	8:1 at F.S.D. (Proportionately greater at fractions of F.S.D. e.g., 16:1 at half scale, 32:1 at quarter scale).
CALIBRATOR:	100mV and 1V square waves. R.M.S. values accurate to 0.5%.
INPUT IMPEDANCE:	10M Ω shunted by 20pF.
RESPONSE TIME:	Typically 3 seconds to 1% of final reading.
OVERLOAD PROTECTION:	The instrument is fully protected against overload. The limiting voltages are 450V peak on the 300V range and 600V DC on the input socket.
OUTPUT:	300mV at 0.5mA from 1K Ω source impedance on Digital Voltmeter socket (Linear Law).
AMBIENT TEMPERATURE OPERATING RANGE:	0 $^{\circ}$ C to 50 $^{\circ}$ C.
POWER REQUIREMENTS:	95-125V/190-250V 50-60c/s 14VA approx.
DIMENSIONS & WEIGHT:	
BENCH UNIT	Height 8.1/4 ins. Width 5.5/8 ins. Depth 13 ins. Weight 14 lbs.
1/3 RACK MODULE	Height 7 ins. Width 5.5/8 ins. Depth 13 ins.
ACCESSORIES AVAILABLE:	CX 1563 Probe Adaptor. CX 1167 X10 Probe CX 1564 3ft. of co-axial cable with UHF plug and test prods; banana jacks, spade terminals, crocodile clips and test rods. CX 1565 Calibration lead.

We reserve the right to change specifications and prices without notice.



THE SOLARTRON ELECTRONIC GROUP LTD.

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