

Aplab

DIGITAL PSOPHOMETER 1072



Aplab Psophometer is a portable unit designed for the use of testing telecommunication equipment. It has Psophometric filter, which has the frequency response of the weighing network based on the CCITT recommendations and frequency response characteristics for unweighted measurements.

The additional features included in this model are, 'Recorder out' available at the rear panel for plotting a response curve, built-in stable calibration signal for calibration check and Lo Battery facility to check the Battery condition.

Features

- Compact and Portable for Field Application
- Extremely Sensitive and Accurate
- Weighted and Flat Frequency Response as per CCITT Standard
- Highly Stable Internal Calibration Signal
- Measurement of Metallic Noise, Longitudinal Noise, Level and Transmission Loss Over a Transmission Line
- Operated on Mains / Internal Battery or on External 6V DC Source
- Built-in 'Power Hum' measurement facility
- Recorder Output Available
- I/P Impedance 600, 1120 ohms or Hi Selectable
- 3½ Digit LCD Display
- Lo Battery' Indication

Technical Specifications

Frequency Range	:	a) Weighted Mode	:	15Hz to 6KHz as specified by CCITT.
		b) Unweighted Mode	:	15Hz to 10KHz.
Measuring Range	:	a) dBm	:	-90dBm to 0dBm.
		b) Voltage	:	30 μ V to 1V.
Min. Measurable Value	:		:	10 μ V (-98dBm).
Calibration Accuracy at 800Hz	:		:	0 to -60dBm : \pm 0.5dB. -60 to -90dBm : \pm 1.0dB.
Display	:		:	3½ Digit LCD type.
Input Impedance	:		:	600 ohms, 1120 ohms balanced, 'Hi'.
Frequency Response of Psophometric Measurements	:		:	According to CCITT weighting coefficient for Telephone circuits.

Frequency Hz	Relative Weight dB	Limit \pm dB
16.6	-85.0	—
50	-63.0	2
100	-41.0	2
200	-21.0	2
300	-10.6	1
400	-6.3	1
500	-3.6	1
600	-2.0	1
700	-0.9	1
800	0.0	0
900	+0.6	1
1K	+1.0	1
1.2K	0.0	1
1.4K	-0.9	1
1.6K	-1.7	1
1.8K	-2.4	1
2.0K	-3.0	1
2.5K	-4.2	1
3K	-5.6	1
3.5K	-8.5	2
4K	-15.0	3
4.5K	-25.0	3
5K	-36.0	3
6K	-43.0	3

Recorder Facility	:	100 μ A at 0dBm 1120 impedance.
Power	:	a) 230V AC \pm 10%, 47-53Hz. Optional 115V AC \pm 10%, 57-63Hz. b) Internal rechargeable 6V battery. c) External battery operation.
Dimensions	:	265 (W) x 105 (H) x 356 (D) mm approx.
Weight	:	4 Kg. approx. with battery.
Standard Accessories	:	Instruction Manual - 1 No. Dual Banana to Dual Banana Cable - 1 No. Dual Banana to BNC(M) Cable - 1 No. Dual Banana to Alligator Clip - 1 No. Ext. Battery Jack Cable - 1 No.

WE PURSUE A POLICY OF CONTINUOUS DEVELOPMENT AND PRODUCT IMPROVEMENT. THUS THE SPECIFICATIONS IN THIS DOCUMENT AND THE LOCATION OF CONTROLS ON THE FRONT PANEL MAY BE CHANGED WITHOUT NOTICE.