

## Transmission Measuring Set



### Features

#### Model 2031 / 2031A

- ★ Compact Two in One Instrument with Level Oscillator & Level Meter
- ★ Selectable Spot Frequencies upto 4KHz
- ★ Digital dB Meter to Measure Level from -60dBm to +20dBm
- ★ Under / Over Range Indication
- ★ Built-in Rechargeable Battery

- ★ Lo-Batt Indication
- ★ Easy to Operate, Light in Weight & Portable

#### Extra Features of Model 2031A

- ★ Selectable Spot Frequencies from 200Hz to 4000Hz
- ★ Extra Switchable Input & Output Impedance of 1120 ohms

### Description

**APLAB's** Transmission Measuring Set Model 2031/2031A is a compact instrument designed specially for maintenance of telecommunication lines in telephone exchanges & on the field. It is an accurate instrument with two in one facility of spot frequency oscillator & digital dB.

The level oscillator & level meter operate independently & hence can be used separately or can be combined to form a Voice Frequency level test set useful for measurements on communication lines, line-up testing and monitoring of communication facility. It's compact design & internal battery operation with LO-BATT indication makes it truly portable instrument useful for field application.

Model 2031A is having twelve selectable spot frequencies from 200Hz to 4000Hz & one extra switchable input & output impedance of 1120 ohms.

## Specifications

	MODEL 2031	MODEL 2031A
<b>LEVEL OSCILLATOR</b>		
Output Frequency	Ten selectable frequencies 300Hz, 400Hz, 600Hz, 800Hz, 1020Hz, 1400Hz, 2400Hz, 3000Hz, 3400Hz & 4000Hz.	Twelve selectable frequencies 200Hz, 400Hz, 800Hz, 1000Hz, 1200Hz, 1400Hz, 1600Hz, 1800Hz, 2400Hz, 3000Hz, 3500Hz & 4000Hz.
Frequency Accuracy	±3%	±2%
Output Level	0dBm to -30dBm in 10dB, 20dB & 1dB step & ±1dB. Continuously variable fine control.	
Output Level Accuracy	±0.3dBm (300Hz to 4KHz).	
Frequency Response	±0.2dB (Reference to 0dB at 800Hz).	
Harmonic Distortion	<3%.	
Output Impedance	600 ohms	600 ohms, 1120 ohms (switchable)
<b>LEVEL MEASUREMENT</b>		
Frequency Range	200Hz to 20KHz.	
Reference Frequency	800Hz.	
Measuring Range	-60dBm to +20dBm.	
Resolution	0.1dBm.	
Display	3 digits with sign for -ve indication.	
Accuracy	±0.5 dBm.	
Input Impedance	600 ohms / 100K ohms switchable.	600 ohms, 1120 ohms & Hi (100K) switchable.
<b>GENERAL</b>		
Power Supply	1) 230V (-15% +10%), 50Hz mains. 2) 6V / 2.6AH Battery Operation, with Lo Battery Indication.	
Dimensions	210 (W) x 105 (H) x 200 (D) mm approx.	
Weight	3 Kg. approx.	
<b>STANDARD ACCESSORIES</b>	1. Banana to Banana Cable - 1 Pair 2. Banana to Crocodile Cable - 1 Pair 3. Banana to 2 Pin Jack - 1 No. 4. Battery Jack Cable - 1 No. 5. Instruction Manual - 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.