

High accuracy programmable attenuator with analog and USB outputs (table set)

APPLICATIONS

- Very high attenuation of analog voltage signals
- Acoustic qualification benches
- Analog amplification chain qualification



DESCRIPTION

MEIRI 2657 USB box offers analog electronics allowing to attenuate voltage signals until -90dB, with a ± 0.1 dB accuracy. Attenuated signal input and output are made through BNC connectors. Programming attenuation is set up from the front panel or from a USB plug. A dashboard on the PC screen enables to set up the attenuator. It can also be programmed by a DLL included with the equipment. Standard model "A" is supplied by mains, version "B" is supplied by rechargeable 15VDC battery.

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TECHNICAL FEATURES

Programmable analog attenuation	From 0 to -90 dB
No programming	1 dB
Attenuation accuracy	± 0.1 dB
Input impedance	1 Mohm
Output impedance	50 ohm
Voltage input	± 5 V peak (3.535 RMS) V
Coupling	AC
Bandwidth	5 Hz – 20,000 (at -0.1 dB) Hz
Maximum noise	$< \mu$ V RMS/VHz
Supply rejection	120 dB
Signal input	BNC connector
Signal output	BNC connector
USB plug	B type USB connector for standard cable
Display	Backlit 16-Characters x 2 lines
Local command keyboard	5 keys
Zinc-plated housing	DIN 72 x 144; Depth 140 mm

Configuration

General configuration	With keyboard on the attenuator
	Via Pc with software (included)
	By direct writing by DLL
Measurement range	Programmable in dB from 0.0 to 9à by 1dB steps

Mains supply – Standard model A

Voltage	8(to 264 VAC ; 50-60 Hz
Fuse	1 A at the rear, 5x20mm type
Supply Filter	Schaffner
Power	15W (typical)
Max. power	20W

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Battery supply – Model B

Voltage	15 VDC
Fuse	1A at the rear, 5x20mm type
Power	4W (typical)
Max. power	20w
Autonomy	Approx. 20 hours

Temperature

Operating temperature range	0 to + 50°C
Storage temperature range	-10°C to +70°C