

CLIO

ELECTRICAL & ACOUSTICAL TESTS

POWER AMPLIFIER + SWITCHING BOX QCBOX MODEL 4



■ PRODUCT DESCRIPTION

The QCBOX Model 4 is a non-conventional unit designed to fulfill the needs of an electro-acoustical analyzer like the CLIO system. It can be configured, under software control, to assist frequency response or impedance measurements. In the first case it acts like a 50W power amplifier to drive the speaker or network under test while routing one-of-four inputs to the analyzer. The input can provide phantom power supply for Audiomatica MIC-01 or MIC-02 microphones. In the second case it presents the D.U.T.'s load across the analyzer's input. A dedicated output, ISENSE, allows impedance measurements in constant voltage mode as well voice coil current distortion analysis. A dedicated input permits an external foot pedal switch (or TTL signal) to be connected and trigger QC operations. The QCBOX Model 4 finds use in laboratory or production lines setups.



■ TECHNICAL SPECIFICATIONS

■ LINE/MICROPHONE INPUT

Number of inputs: 4
Phantom power: 8.2V selectable

■ OUTPUT

Power output stage with current sensing
Output power: 50W(80hm)
THD (@1 kHz): 0.004%

■ INTERNAL SWITCHER

Control: TTL signals
Connector: DB 25

■ GENERAL

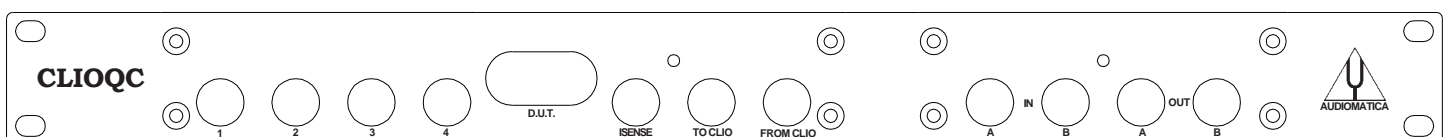
Dimensions: 23(w)x23(d)x4(h)cm
Weight: 1.4kg
Power supply: 150W 90÷240VAC

■ ACCESSORIES

DB 25 to DB25 PC Cable
2 x Audio cable

■ 19" RACK MOUNT ASSEMBLY

Using the Rack QC panel it is possible to assemble the QCBOX Model 4 together the SC-01 Signal Conditioner so that they can be mounted in a standard 19" rack frame.



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