



Key Features

- ◆ Distinctive 'retro' styling with contemporary construction
- ◆ High performance at affordable price
- ◆ Internal LED Illumination option
- ◆ Suitable for 1U rack mounted applications
- ◆ RoHS Compliant

Retro Audio Level Meter

Type AL19 - Retro

The AL19 Retro Audio Level analogue panel meters complement the proven and popular Presenter series. The meters offer a performance not significantly different from full specification vu meters to meet today's specific audio market requirement for both quality and distinctive 'retro' styling at an affordable price.

Features & Benefits

- ◆ Front of panel mounting with full bezel
- ◆ Constructed with transparent acrylic front and high impact rear body moulding. Bezel moulded in black ABS.
- ◆ Taut band core magnet movement incorporated as standard. This rugged movement makes these meters equally suitable for portable or fixed audio applications. There is no calibration effect when mounted on a ferrous panel.

Specification

A low range ac voltmeter offering a performance close to that of a full specification vu meter. Please refer to back page for full details.

Note: This meter can also be used for Industrial applications with electrical input and custom scales to suit.

Pointers and dials

The combination of 'pear' shaped pointer and conventional arc scale on metal buff coloured dial results in an easily read meter, even when monitoring a row on a large console

A white dial can be specified if required. The standard scale is based on the vu 'A' scale as illustrated in the above photograph but the 'B' scale with the 'percent' reading at the top can be supplied to order at no extra cost.

Zero adjuster

Positioned on the rear as standard.

Certified drawings

Available on request

Operating Temperature

-25°C to +55°C

Illumination

Internal LED illumination 6, 12 or 24Volt, please specify.

Terminals

6mm tabs are supplied as standard but threaded studs or flying leads are available.

AL19 Retro

Specification

A low range ac voltmeter suitable for connecting across a 600 ohm line and self contained except for requiring an external 3.6k ohm resistor. Calibrated for use with a 3.6k ohm resistor 4vu above the scale marking so that the reference deflection (0vu) is produced by a signal 4vu above 1 m W in 600 ohms (1.228V).

The performance of the meter is based upon the requirements of BS 6840: Part 17:1991, IEC 268 – 17 1990. The dynamic characteristics quoted, which requires the response time to 99% of reference deflection (0vu) to be 0.3 seconds +/- 100% with an overswing of at least 1.0% but not more than 1.5% are not fully met.

The overswing, because damping is not so tightly controlled but allowed to spread within normal design restraints, can vary between deadbeat to 5%. To specify the dynamic characteristics in terms of time to 99% of 0vu under such circumstances would give an unrepresentative, measure of the speed of response. For this reason the time to reach -3vu with a steady reading of reference deflection (0vu) has been taken as a more realistic measure

The following comparison can be made based on a rise time to -3vu with steady deflection of 0vu:

IEC.....	0.13 – 0.15 Seconds
AL19 Retro.....	0.14 - 0.18 Seconds

Dimensional Drawings

