

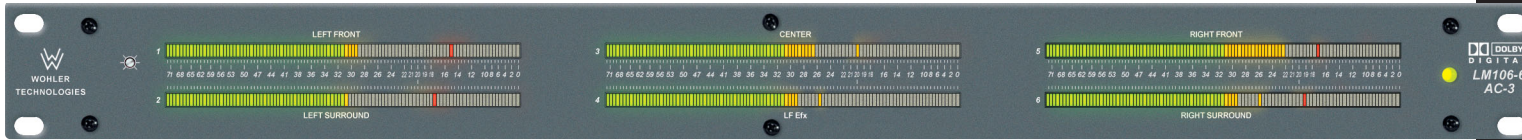
World Leader • In-Rack • Audio & Video Monitoring

WOHLER LM106-6 AC-3

Dolby Digital AC-3 Ultra-high Resolution Level Meter



February 4, 2004



Wohler professional level meters are available with 26, 53 or 106 segment tri-color bargraphs, providing very high resolution and a wide (up to 70dB usable) dynamic range in increments as small as 1/2 dB across mid-scale. We also produce level meters containing large segment LEDs with 30 and 60 segments, optimized for viewing from a distance.

Versions are available for Analog, AES/EBU Digital, SDI and Dolby Digital sources, providing from 2 to 32 channels of monitoring. Units require either 1U or 2U of 19" rack space.

Our unique tri-color LED design means we can offer an almost unlimited variety of options such as Phase Correlation, Peak Hold, Loudness, Sum & Difference, and alternate scales & color mappings.

The standard display mode is set as a single segment PPM "dot" above a VU bar, each segment's color is fixed according to its position on the scale.

Level calibration for analog input versions and scale color transition points ("color mask") for digital input versions may be set via dip switches to select one of four different calibration levels (for analog input types) or color mask (for digital input types) via DIP switch settings.

Built and rigorously tested in the USA, the Wohler LM series of professional level meters are backed by a strong warranty and a "Satisfaction Guaranteed" return policy.

Features:

6 Channel In-Rack Professional Level Metering System
Decodes and Monitors Encoded Dolby Digital (AC-3) Audio Signals

AES/EBU Digital & PCM Audio may also be Monitored

Only 1U of Rack Space

6 Ultra-High Resolution 106 Segment Tri-Color LED Bargraphs

Simultaneous VU (bar) and PPM (dot)

Bargraph Display Ballistics

Simultaneous Visual Monitoring

of all Channels

XLR & BNC Input Connectors with

Loop-Through as Standard

Industry Leading Wide Dynamic Range

0.5 dB Midscale Resolution

Custom Variations of Standard Scales and/or

Color Masks Available on Request

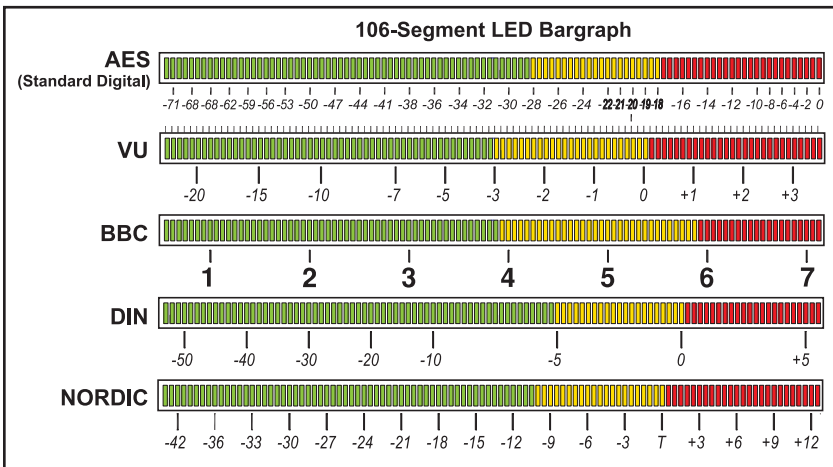
Adjustable Bargraph Brightness

via Front Panel Control

Power Indicator LED

Quick and Simple Installation

CE and UL approved 100 to 240VAC, 50/60Hz Universal Power Input



Level Metering

Audio Monitoring

Alarm Systems

Video Monitoring

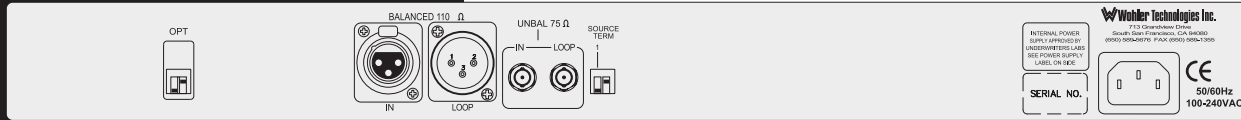
Toll Free (US): 1-888-5-WOHLER Tel: (650) 589-5676 Fax: (650) 589-1355 • 713 Grandview Drive, South San Francisco, California 94080, USA

www.wohler.com sales@wohler.com

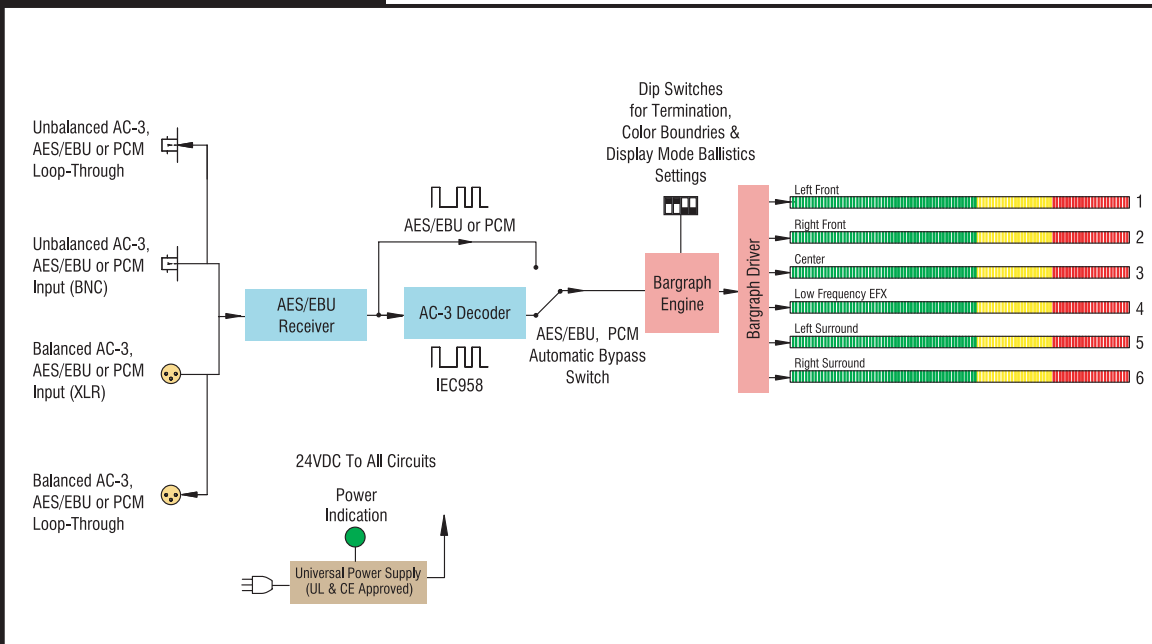
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Rear Panel:



System Diagram:



Specifications:

Input connectors	1 unbalanced (BNC) or balanced (XLR) Dolby Digital AC-3 input with loop-through output
Audio source types	Dolby Digital, AES/EBU Digital & PCM
Audio sampling rate	48 kHz
Frequency response	10 Hz to 20 kHz \pm 0.01 dB
Input termination settings	75 ohms (BNC - unbalanced), 110 ohms (XLR - balanced)
Level meters	six 106 segment ultra-high resolution LED bargraphs
Standard scale	-72 to 0 dB
Midscale resolution	0.5 dB (Extended VU scale)
Standard display ballistics	simultaneous VU & PPM (dot over bar)
Selectable display controls	color boundary: -18 dBfs or -20 dBfs floating segment: PPM 3s hold, PPM peak no hold, VU peak 3s hold, VU peak 10s hold
Additional options	alternate scales, color mappings and features such as phase correlation or sum & difference may be specified at the time of ordering, contact us for details
Chassis dimensions (HxWxD)*	1.75" x 19" x 7.5" (44mm x 483mm x 190.5mm) *not including rear panel input connectors
Weight	3.5 lbs. (1.6 kg)
Power consumption	10W (maximum)
Power supply	100 to 240VAC, 50/60Hz universal input, CE & UL approved

E. & O.E., All specifications are subject to improvement

Visit <http://www.wohler.com/meters.html> for animated metering demonstrations



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