

World Leader of In-Rack Audio and Video Monitoring

WOHLER LM53-8M

8 Channel HD/SD-SDI In-Rack Professional Level Metering System



Features:

- 8 Channel HD/SD-SDI In-Rack Professional Level Metering System
- Groups 1 and 2 or 3 and 4 selectable from front panel
- 8 High Resolution 53 Segment Tri-Color LED Bargraphs
- One auto-sensing HD/SD-SDI Input with Reclocked Output
- Simultaneous VU (bar) and PPM (dot) Bargraph Display Ballistics
- Simultaneous Visual Monitoring of all Channels
- Industry Leading Wide Dynamic Range
- 1 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

November 28, 2006

Our LM Series of Analog, EBU digital, SDI and Dolby Digital audio level meters are now available with a choice of BBC, DIN, Nordic and VU scales and "PPM Only" has also been added to the user selectable options. These changes were requested by our customers, if you don't see what you are looking for please do contact us and we'll be glad to help.

Wohler professional level meters are available with 26, 53 or 106 segment bargraphs, providing very high resolution and a wide (>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 simultaneously depending on the model, and are available as 1U or 2U in-rack units. New versions are available requiring only one half-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.

Ideally suited for use in VTR bays, mobile production vehicles, teleconferencing installations, multimedia systems, satellite link and cable TV facilities and on-air radio studios, 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.



Audio Monitoring

Video Monitoring

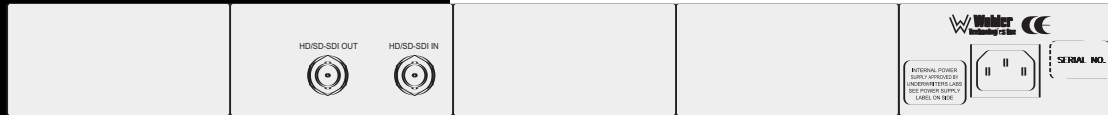
Alarm Systems

Level Metering

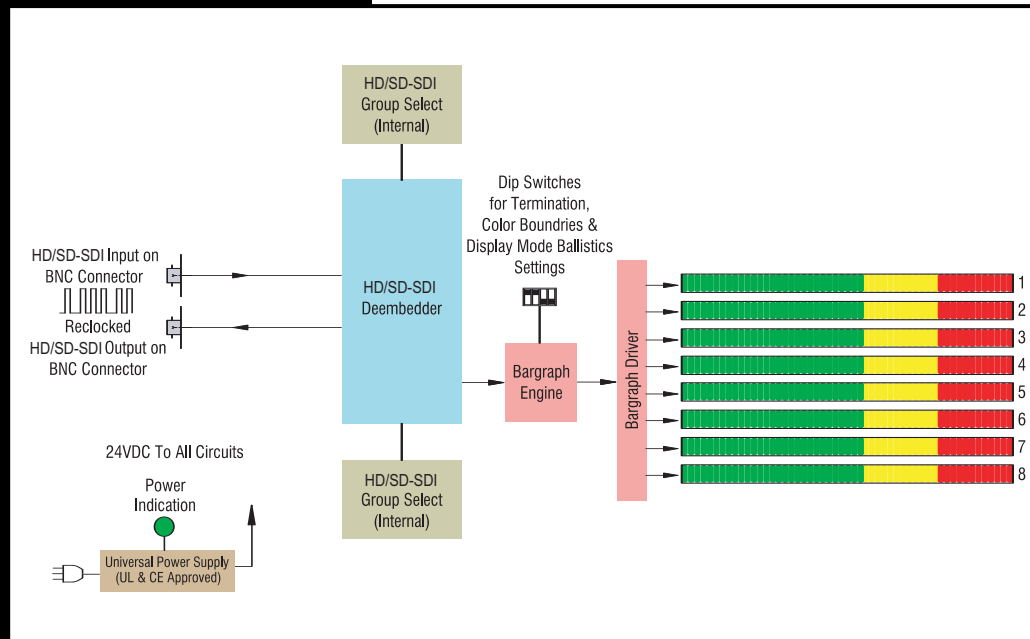
WOHLER LM53-8M

8 Channel HD/SD-SDI In-Rack Professional Level Metering System

Rear Panel



System Diagram



Specifications

Input	1 HD/SD-SDI (BNC)
Output	1 re-clocked HD/SD-SDI (BNC)
Group select	Groups 1 and 2 or 3 and 4 selectable from front panel
Input characteristic	15 dB min. return loss 10 - 270 MHz
Receiver type	auto equalizing with clock regeneration
Sensitivity performance	tolerates cable loss of at least 30 dB @ 135 MHz
SDI input level	400 - 1000 mV
Input termination settings	75 ohms (BNC - unbalanced)
Audio sampling rate	48 kHz
Frequency response	10 Hz to 20 kHz \pm 0.05 dB
Level meters	eight 53 segment high resolution LED bargraphs
Standard scale	-66 to 0 dB
Midscale resolution	1 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
Input error indication	red / green LED green = signal present red = error unlit = no signal
Additional options	alternate scales, color mappings and features such as phase correlation or sum and 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	20W (maximum)
Power supply	100 to 240VAC, 50/60Hz universal input, CE & UL approved



Toll Free (US): 1-888-5-WOHLER Tel: (510) 870-0810 Fax: (510) 870-0811
31055 Huntwood Avenue, Hayward, California 94544, USA
www.wohler.com • sales@wohler.com