



Fredenstein
Professional Audio

U1631
16 Channel
Peak Meter

Operating Manual

Fredenstein U1631 16 Channel Analog Meter

The Fredenstein U1631 is a 16 channel peak meter calibrated in RMS values. Each of the 16 bar graphs consists of 31 LEDs. An indication of 0 dB reflects an input signal of +4 dBm. The display is non-multiplexed for flicker-free operation with an extremely high update rate of 10 kHz to avoid any delays in the visualization. The resolution of the meter is 60 dB, from 0 dB to +10 dB in 1 dB steps, from -20 dB to 0dB in 2 dB steps, and from -50 dB to -20 dB in 3 dB steps. The +10 dB LED is colored red, 0db to +9 dB yellow, and below 0db green.

Two standard DB25 connectors, each carrying eight channels, on the back-panel feed the meter unit.

Installation:

Electrical Safety Warnings:

Do not open the enclosure, hazardous voltages are present inside!

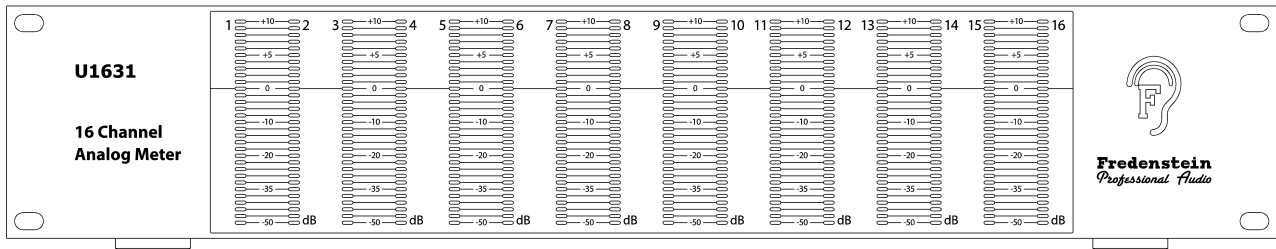
There are no user serviceable parts inside.

Always disconnect the mains cord before connecting or disconnecting input cables

If you need to replace the mains fuse, make sure the replacement has the same rating (2AT 250V, slow blow).

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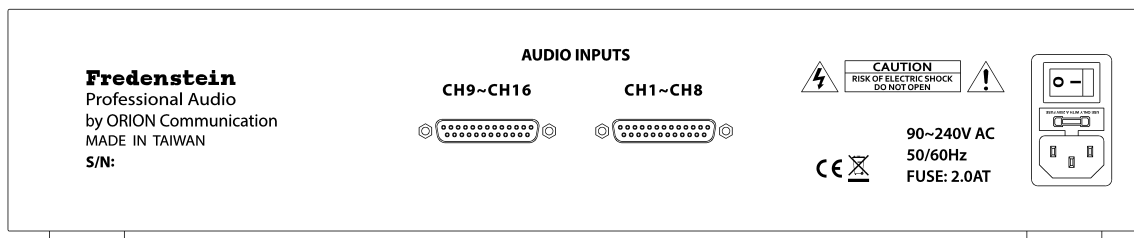
Front View:



Operation:

After connecting two DB25 cables, insert the mains cord into the IEC socket located on the back-panel and then connect the mains cable to a grounded outlet. Now turn the U1631 on by operating the I/O switch (also part of the IEC socket on the back). The 16 bar graphs will go through a calibration routine, all LEDs are on for a short moment and then the graphs are decaying. As soon as all graphs are completely off, the unit will display the signal levels present on its inputs.

Rear View:



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Specifications:

Input Voltage:	90V – 240V AC
Power Consumption:	max 25W
Dimension (WxHxD):	482mm x 88mm x 128mm 19 inch, 2U
Weight:	1.8 kg(NW) 2.25 kg(GW) 4 lbs(NW) 5 lbs(GW)

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