

Data Sheet

Peakmeter 1034GL

Description

Peakmeter

The level meter 1034GL is a plug-in unit in a 190 x 40 x 107 mm case. It is featured by a two-channel plasma bargraph display.

Loudness display

Additional to the peak level values the loudness values can be shown on the same display. Analogous to the physiological process which takes place in the human ear the both dominant signal parameters "frequency" and "impulse" are weighted and displayed.

Stereo correlation display

The three-colour display gives a clear indication of the phase relationship of stereo signals.



Sandwich scale, horizontal and vertical



Analog • BRITISH • x-former bal. • 10 ms/1 ms • Scale 127 mm • Peak hold • +40 dB/Memo

TECHNICAL SPECIFICATIONS

General

Supply voltage:	+24 V DC ±10 %
Current drain:	max. 275 mA
Weight: approx.	865 g
Dimensions:	190 x 40 x 107 mm
Operating temperature range:	+5° to +45° Celsius
Connector:	DIN 41612/C (32-pin male connector)
Fastening:	M3 screws
Controls:	<ul style="list-style-type: none"> • 40 dB gain of input sensitivity • display of the stored peak values and minimum correlation • memory reset button • slide switch for activating 'loudness' display • slide switch for activating peak hold mode
Indicators:	<ul style="list-style-type: none"> • Fast-LED (short integration time) • 40 dB-LED (gain of input sensitivity)

Peakmeter

Measuring standard:	acc. BRITISH
Input sensitivity for "6" reading:	+8 dBu (1.95 Vrms)
Max. input level:	+21 dBu
Adjustable range of input sensitivity:	0 dBu to +15 dBu
Inputs:	transformer balanced
Rejection factor:	> 60 dB
Input impedance:	> 10 kΩ (30 Hz to 20 kHz)
Integration time:	10 ms, 1 ms
Fall back time:	2.8 s from "7" to "1"
Scale range:	-12 dB to +12 dB ("1" to "7")
Scale marks:	"1", "2", "3", "4", "5"
Calibration marks:	superimposed marks between mark "6" and scale end in steps of 1 dB (on/off switchable)

Headroom segments:	"6" to "7"
Scale length:	127 mm
Display segments:	201 segments/channel
Colour of display:	to "6" orange, to "7" red
Measuring accuracy:	±0.2 dB at "6"

Stereo correlation display

Scale range:	-1 r to +1 r
Scale length:	27 mm
Display segments:	11 segment LED display
Colour of display:	red -1 r to -0.2 r yellow 0 r green +0.2 r to +1 r

Accuracy	
20 Hz to 20 kHz:	±0.2 r in the range of -20 dB to +22 dB
200 Hz to 15 kHz:	±0.2 r in the range of -36 dB to +22 dB
Integration time:	0.5 s
Fall back time:	0.5 s

Loudness display

Display:	superimposed bargraph overlaying the normal bright peak value display
Frequency weighting:	3-section filter circuit per channel
Detector:	True-RMS

Items delivered

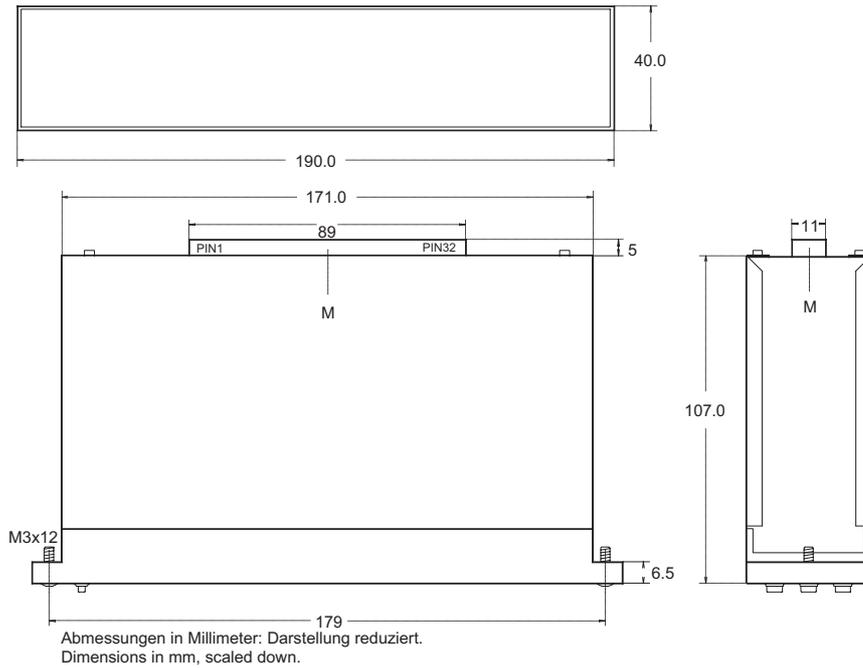
Peakmeter 1034GL:	<ul style="list-style-type: none"> • horizontal scale and vertical scale which is fitted underneath (sandwich) • counter plug (DIN 41612/C) • operating manual
-------------------	---

Order number: 1034GL

Data Sheet

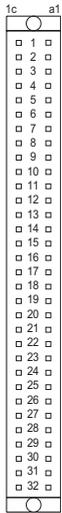
Peakmeter 1034GL

DIMENSIONS



CONNECTION

The meter is connected up using a 32-pin female connector (counter plug, DIN 41612/C). This connector is wired as follows (view to the solder side of the counter plug):



- pin 1a: audio input (+), upper or left display column (CH I)
- pin 3a: audio input (-), upper or left display column (CH I)
- pin 5a: external control 10 ms - 1 ms
- pin 7a: audio input (+), lower or right display column (CH II)
- pin 9a: audio input (-), lower or right display column (CH II)
- pin 12a: external control for activating loudness display
- pin 13a: external control +40 dB
- pin 14a: external control for activating peak hold mode
- pin 15a: external control memory reset
- pin 17a: external control memory display
- pin 18a: to be grounded for vertical use
- pin 19a: common ground for external controls
- pin 21a: external control for additional scale marks
- pin 22a: case
- pin 24a: -15 V for symmetrical power supply
- pin 26a: 0 V (center) for symmetrical power supply
- pin 28a: +15 V for symmetrical power supply
- pin 30a: 0 V for single power supply
- pin 32a: +24 V for single power supply

COLORS

RAL 9011 graphite black

ACCESSORIES

Subject to technical changes without prior notice 10/2006



19" - 1U mounting frame
Order no. 12991

19" - 1U mounting frame
Order no. 12992

19" - 1U mounting frame
Order no. 12961

Cover plate mounting frame
Order no. 12996

Power pack and bracket
Order no. 1128H

Case including power supply
Order no. 1020E

Case without power supply
Order no. 1018

19"-5U sub rack with power supply
Order no. 1125-10

Clamping locks
Order no. 13973



RTW RADIO-TECHNISCHE WERKSTÄTTEN GmbH & Co. KG
Elbeallee 19 • 50765 Köln • Germany
Phone: +49(0)221 - 7 09 13-33 • FAX: +49(0)221 - 7 09 13-32
Internet: www.rtw.de • E-Mail: rtw@rtw.de