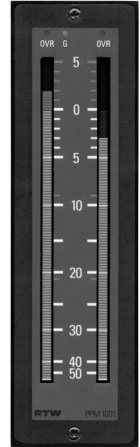
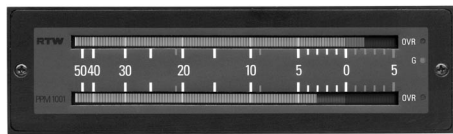


Data Sheet

Peakmeter 1001-40

Description

The level meter 1001-40 is a compact plug-in unit in a 140 x 40 x 66 mm case. It is featured by a two-channel plasma bargraph display.



Sandwich scale, horizontal and vertical

Analog • DIN • x-former bal. • 10 ms • Scale 100 mm • +20 dB/Memo

TECHNICAL SPECIFICATIONS

General

Supply voltage: +21.5 to 30 V DC, nom. 24 V DC
Current drain: max. 190 mA/24 V
Weight: 310 g
Dimensions: 140 x 40 x 66 mm
Operating temperature range: +5° to +45° Celsius
Connector: DIN 41612/C (32-pin male connector)
Fastening: clamping locks
Indicators: • Gain-LED (additional input gain)
• Overload-LED

Peakmeter

Measuring standard: acc. IRT 3/6 and DIN 45406
Input sensitivity
for 0 dB reading: +6 dBu (1.55 V)
Max. input level: +21 dBu
Adjustable range of
input sensitivity: 0 dBu to +18 dBu
Inputs: transformer balanced
Rejection factor: > 60 dB
Input impedance: > 10 k Ω (30 Hz to 20 kHz)
Integration time: 10 ms
Fall back time: 1.5 s for 20 dB
2.5 s for 40 dB
Scale range: -50 dB to +5 dB
Scale marks: -40, -30, -20, -10, -5 dB

Headroom segments: 0 dB to +5 dB
Scale length: 100 mm
Display segments: 201 segments/channel
Colour of display: to 0 dB orange, to +5 dB red
Measuring accuracy: ± 0.3 dB in the range of -10 dB to +5 dB
 ± 1.0 dB in the range of -40 dB to -10 dB
Overload display: 1 LED per channel
Overload detector range: -2 dB to +5 dB in steps of 0.5 dB
Solo/Mute: display of selected channel/
blank selected channels

Items delivered

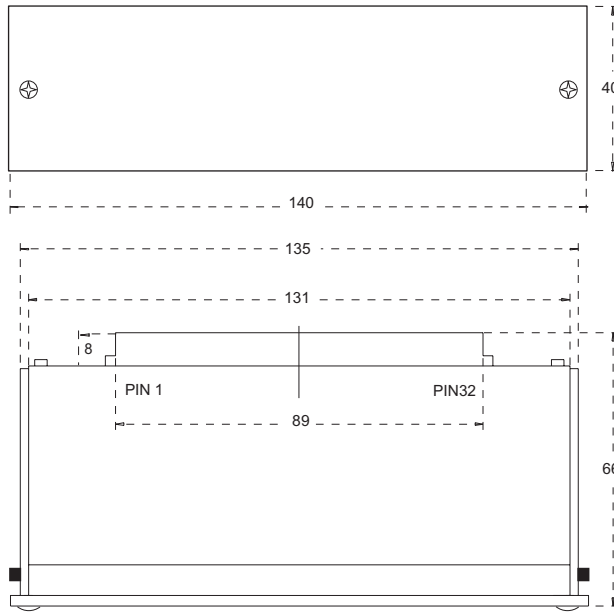
Peakmeter 1001-40: • horizontal scale and vertical scale
which is fitted underneath (Sandwich)
• counter plug (DIN 41612/C)
• operating manual

Order number: 1001-40

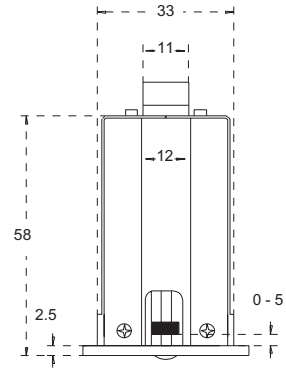
Data Sheet

Peakmeter 1001-40

DIMENSIONS

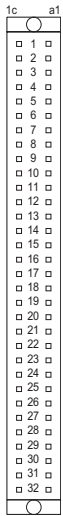


Abmessungen in Millimeter: Darstellung reduziert.
Dimensions in mm, scaled down.



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 23a: | Indicator CH I |
| pin 2a: | case | pin 24a: | Indicator CH II |
| pin 3a: | audio input (-), upper or left display column (CH I) | pin 25a: | 'OVR-1' |
| pin 4a: | case | pin 26a: | 'OVR-2' |
| pin 5a: | -V | pin 27a: | 'OVR-4' |
| pin 6a: | case | pin 28a: | 'OVR-8' |
| pin 7a: | audio input (+), lower or right display column (CH II) | pin 29a: | case |
| pin 8a: | case | pin 30a: | -V |
| pin 9a: | audio input (-), lower or right display column (CH II) | pin 31a: | case |
| pin 10a: | -V | pin 32a: | +V |
| pin 11a: | 'Solo' switching input CH I | | |
| pin 12a: | 'Solo' switching input CH II | | |
| pin 13a: | 'Solo' common | | |
| pin 14a: | 'Solo' mute switching input | | |
| pin 18a: | external control +20 dB | | |
| pin 19a: | external control memory reset | | |
| pin 20a: | external control memory display | | |
| pin 22a: | case | | |

external control of overload detector range

COLORS

RAL 7011/9011 iron grey graphite black

ACCESSORIES



19" - 1U mounting frame
Order no. 13725



19" - 1U mounting frame
Order no. 13726



Power pack and bracket
Order no. 1028A



Meter bridge cabinet
Order no. 1075-280



Adapterframe (for 3 units)
Order no. 13722



Adapterframe (for 5 units)
Order no. 13729

Subject to technical changes without prior notice 10/2006



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