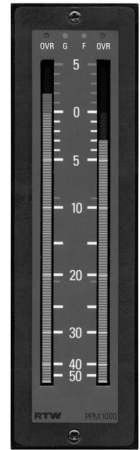
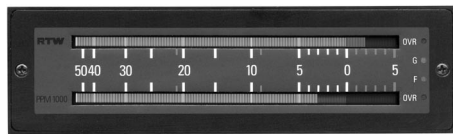


Peakmeter 1000-40

Description

The level meter 1000-40 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/1 ms • Scale 100 mm • Peakhold • +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:

- Fast-LED (short integration time)
- 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, 1 ms (0.1 ms optional)
 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
 Calibration marks: superimposed marks between -10 dB to +5 dB in steps of 1 dB (on/off switchable)

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
 Peakhold: peak hold time to approx. 2.5 s, switchable from peak hold to peak memory
 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 1000-40:

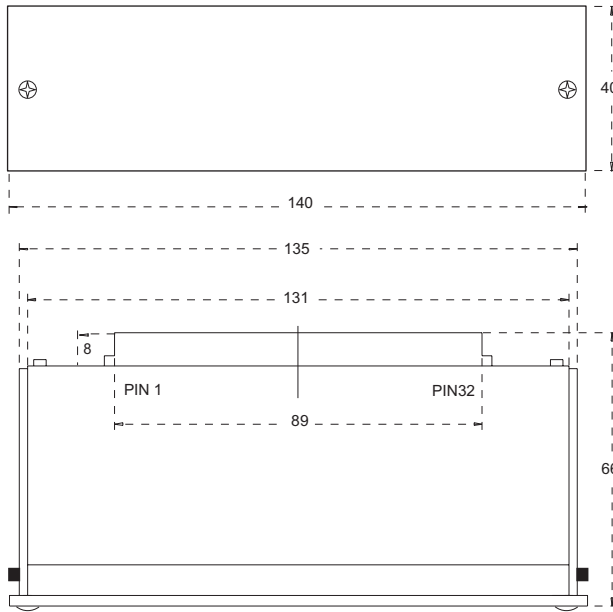
- horizontal scale and vertical scale which is fitted underneath (Sandwich)
- counter plug (DIN 41612/C)
- operating manual

Order number: 1000-40

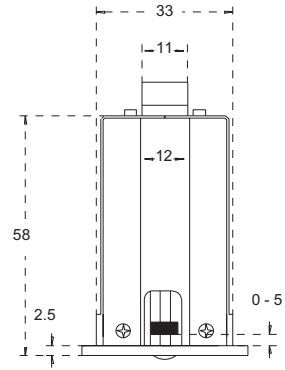
Data Sheet

Peakmeter 1000-40

DIMENSIONS

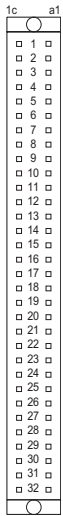


Abmessungen in Millimeter: Darstellung reduziert.
Dimensions in mm, scaled down.



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 20a: external control memory display |
| pin 2a: case | pin 21a: external control 10 ms - 1 ms |
| pin 3a: audio input (-), upper or left display column (CH I) | pin 22a: case |
| pin 4a: case | pin 23a: Indicator CH I |
| pin 5a: -V | pin 24a: Indicator CH II |
| pin 6a: case | pin 25a: 'OVR-1' |
| pin 7a: audio input (+), lower or right display column (CH II) | pin 26a: 'OVR-2' |
| pin 8a: case | pin 27a: 'OVR-4' |
| pin 9a: audio input (-), lower or right display column (CH II) | pin 28a: 'OVR-8' |
| pin 10a: -V | pin 29a: case |
| pin 11a: 'Solo' switching input CH I | pin 30a: -V |
| pin 12a: 'Solo' switching input CH II | pin 31a: case |
| pin 13a: 'Solo' common | pin 32a: +V |
| pin 14a: 'Solo' mute switching input | |
| pin 15a: external control for additional Scale marks | |
| pin 16a: external switching from peak hold to peak memory | |
| pin 17a: external control for activating peakhold mode | |
| pin 18a: external control +20 dB | |
| pin 19a: external control memory reset | |

COLORS

RAL 7011/9011 iron grey graphite black

Subject to technical changes without prior notice 10/2006