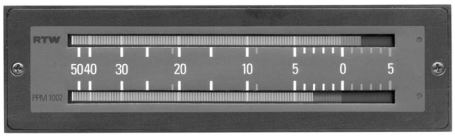
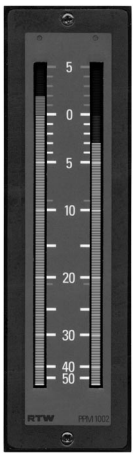
Data Sheet

Peakmeter 1002-40

Description

The level meter 1002-40 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

TECHNICAL SPECIFICATIONS

General

Supply voltage:	+21.5 to 30 V DC, nom. 24 V DC
Current drain:	max. 180 mA/24 V
Weight:	300 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:	CH I/CH II (external controls)

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 kΩ (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 segments:	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
Solo/Mute:	display of selected channels / blank selected channels

Items delivered

Peakmeter 1002-40:

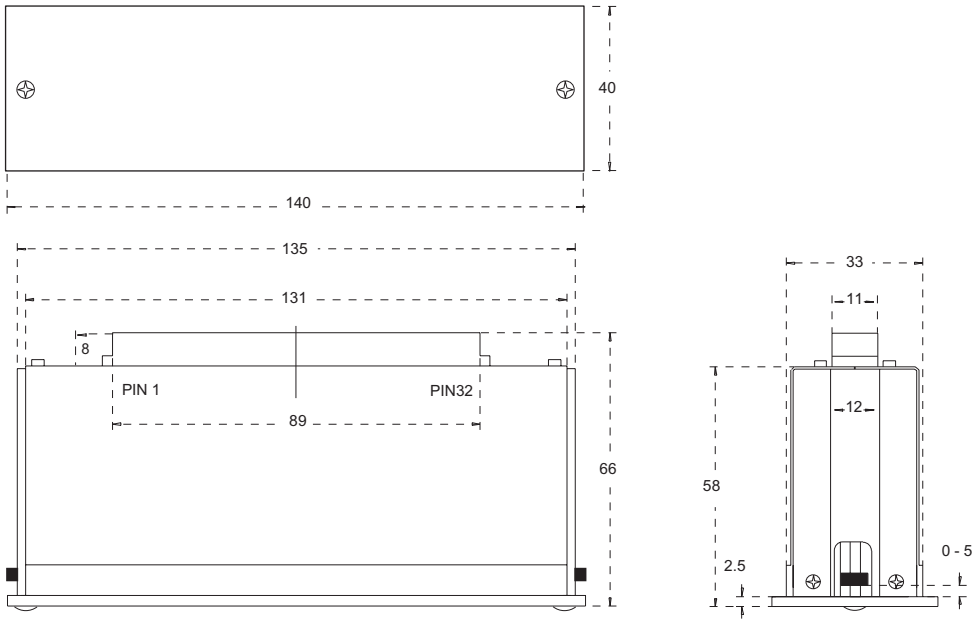
- horizontal scale and vertical scale which is fitted underneath (Sandwich)
- counter plug (DIN 41612/C)
- operating manual

Order number: 1002-40

Data Sheet

Peakmeter 1002-40

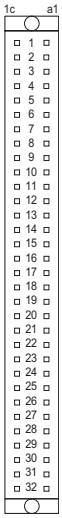
DIMENSIONS



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 (+), left display column (CH I)
pin 2a: case
pin 3a: audio input (–), left display column (CH I)
pin 4a: case
pin 5a: –V
pin 6a: case
pin 7a: audio input (+), right display column (CH II)
pin 8a: case
pin 9a: audio input (–), right display column (CH II)
pin 10a: –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 22a: case
pin 23a: Indicator CH I
pin 24a: Indicator CH II
pin 29a: case
pin 30a: –V
pin 31a: case
pin 32a: +V

COLORS

RAL 7011/9011 iron grey graphite black

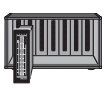
ACCESSORIES

Subject to technical changes without prior notice 10/2006

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

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