

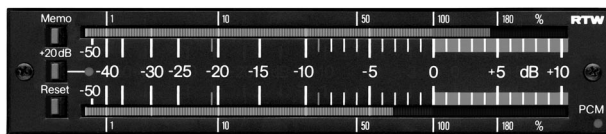
# Data Sheet

## Peakmeter 1109E

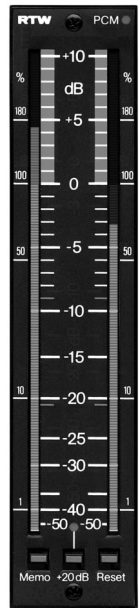
### Description

#### Peakmeter

The level meter 1109E is a plug-in unit in a 190 x 40 x 107 mm case. It is featured by a two-channel plasma bargraph display.



Sandwich scale, horizontal and vertical



Analog • DIN+10 • x-former bal. • 10 ms/1 ms • Scale 150 mm • +20 dB/Memo

### TECHNICAL SPECIFICATIONS

#### General

Supply voltage: +24 V DC  $\pm$  10 % or  $\pm$  15 V DC  $\pm$  10 %  
Current drain: max. 190 mA  
Weight: approx. 750 g  
Dimensions: 190 x 40 x 107 mm  
Operating temperature range: +5° to +45° Celsius  
Connector: DIN 41612/C (32-pin male connector)  
Fastening: clamping locks  
Controls:

- 20 dB gain of input sensitivity
- display of the stored peak values
- memory reset

Indicators:

- F-LED (short integration time)
- 20 dB-LED (gain of input sensitivity)

#### 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: -5 dBu to +15 dBu  
Inputs: transformer balanced  
Rejection factor: > 60 dB  
Input impedance: > 10 k $\Omega$  (30 Hz to 20 kHz)  
Integration time: 10 ms, 1 ms (0.1 ms optional)  
Fall back time: 1.5 s for 20 dB and 2.5 s for 40 dB  
Scale range: from -50 dB to 10 +dB  
Scale marks: -40, -30, -20, -10, -5 dB  
Calibration marks: superimposed marks between -10 dB to +10 dB in steps of 1 dB (on/off switchable)

Headroom segments: 0 dB to +10 dB  
Scale length: 150 mm  
Display segments: 301 segments/channel  
Colour of display: to 0 dB orange, to +10 dB red  
Measuring accuracy:  $\pm$ 0.3 dB in the range of -10 dB to +10 dB  
 $\pm$ 1.0 dB in the range of -40 dB to -10 dB

#### Items delivered

Peakmeter 1109E:

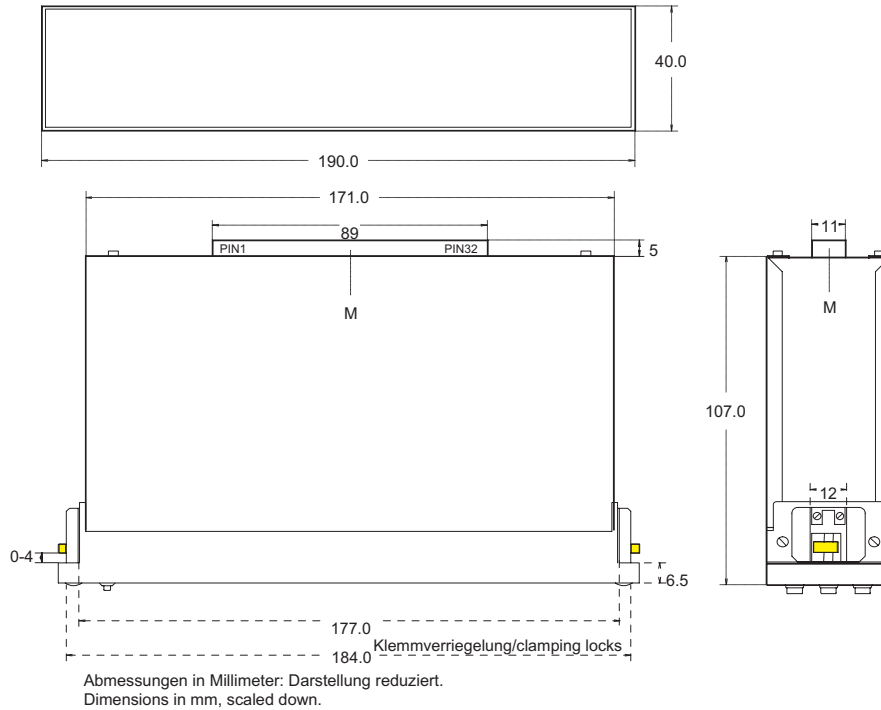
- horizontal scale and vertical scale which is fitted underneath (sandwich)
- counter plug (DIN 41612/C)
- operating manual

**Order number: 1109E**

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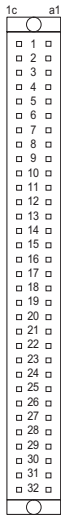
## Peakmeter 1109E

### 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 13a: external control +20 dB
- pin 15a: external control memory reset
- pin 17a: external control memory display
- pin 19a: common ground for external buttons
- 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

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



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