

GENERAL DESCRIPTION

Peakmeter

The level meter 11529G-DIN is a plug-in unit in a 190 x 40 x 107 mm case.

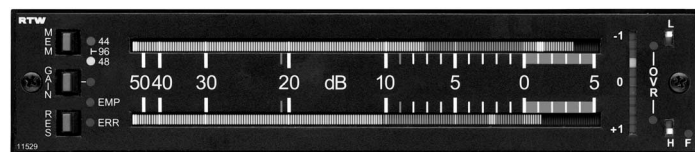
It is featured by a two-channel plasma bargraph display and a -50 dB to +5 dB DIN-scale.

Loudness display

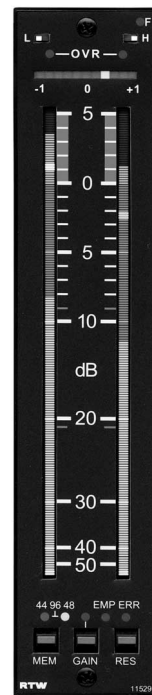
Additional to the peak level values the loudness values can be shown on the same display. Analogous to the physiological process which takes place in the human ear the both dominant signal parameters "frequency" and "impulse" are weighted and displayed.

Stereo Correlation display

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



Sandwich scale, horizontal and vertical



Digital

AES/EBU

X-former bal.

Sample
10 ms/1 ms

Scale 127 mm

Peak hold

+20 dB/Memo

TECHNICAL SPECIFICATIONS

General

Supply voltage:	+21,5 V to 30 V DC, nom. 24 V DC
Current drain:	max. 200 mA/24 V
Weight:	ca. 700 g (1.6 lbs) net
Dimensions:	190 x 40 x 107 mm
Operating temperature range:	0° to +45° Celsius
Connector:	64 pin VG (DIN 41612 A/C)
Fastening:	Clamping locks and M3
Controls:	<ul style="list-style-type: none"> • 20 dB gain of input sensitivity • display of the stored peak values and minimum correlation • memory reset • switch for activating 'loudness' display • switch for activating 'Peak hold' mode
Indicators:	<ul style="list-style-type: none"> • LEDs for sample frequency • LED for gain • LED for pre-Emphasis • LED for interface-Error • LED for FAST integration mode • Overload LEDs
Presettings:	four internal hex switches to preselect Overload range, Overload counts, word width, DIP switch for DC-filter and Standby-mode
Signal in- and output:	AES/EBU Digital format, x-former bal.
Input impedance:	110 Ω or Hi-Z
Output impedance:	110 Ω

Peakmeter

Display standard:	according IRT 3/6 and DIN 45406
Sensitivity for 0 dB reading:	intern selectable via BCD switch in 1 dB steps for a range from -15 to -6 dB FS
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 superimposed:	-40, -30, -20, -10, -5 dB
Headroom:	0 dB to +5 dB

Scale length:	127 mm
Display segments:	201 segments/channel
Colour of display:	up to 0 dB orange, up 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
Sampling frequency:	27 kHz to 96 kHz
DC/HP-Filter:	intern on/off switchable
Cutoff frequency:	5 Hz
Gain:	40 dB
Overload display:	1 red LED per channel
Response level of Overload LED:	internal preselect via hex switch Fullscale, Fullscale-1, Fullscale-2, -0,1 dB, -0,2 dB, -0,5 dB, -1 dB, -2 dB, -3 dB, -4 dB, -5 dB, -6 dB, -7 dB, -8 dB, -9 dB, -10 dB
Overload response word length:	internal preselect via hex switch, 24 Bit to 9 Bit
Overload repetition rate:	internal preselect via hex switch
Switching input:	TTL level, 'active low'

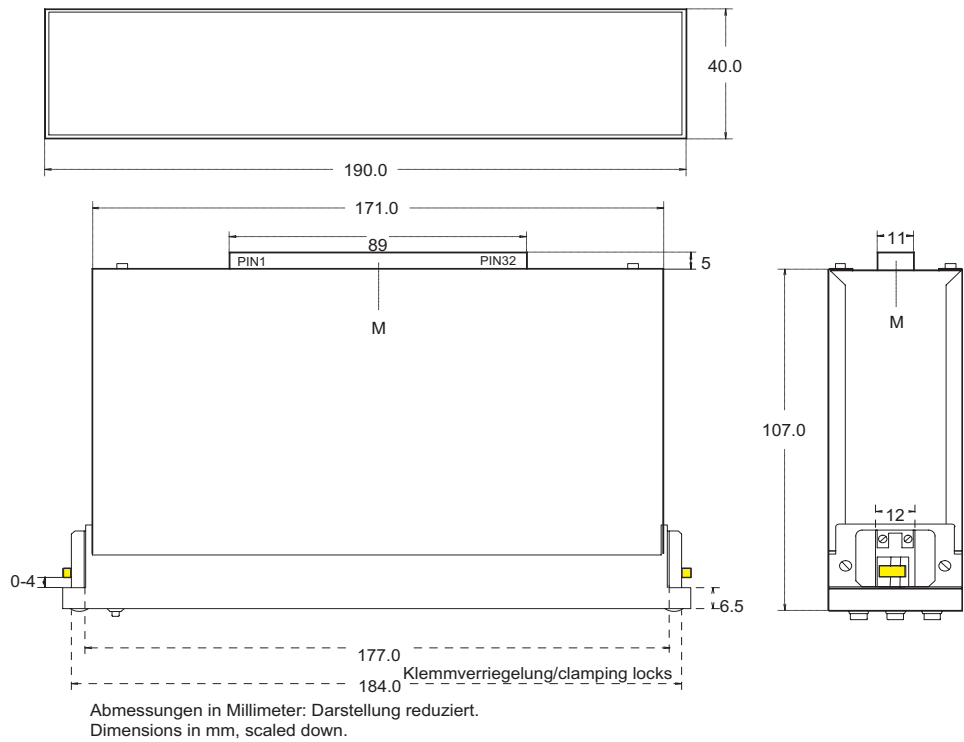
Correlation display

Display:	LED-Display
Scale segments:	-1r to + 1r
Colour of display:	red -1r to -0,2r yellow 0r green +0,2r to +1r

Items delivered

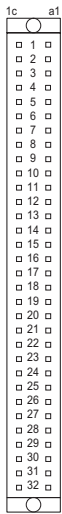
Peakmeter 11529G-DIN:	<ul style="list-style-type: none"> • DIN sandwich scale • counter plug (DIN 41612A/C) • operating manual
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Order number: 11529G-DIN



CONNECTION

The meter is connected up using a 64-pin connector (DIN 41612A/C).
The connector is wired up as follows:



- | | |
|---|---|
| Pin 11a: external function selection: integration time | Pin 26a: AES/EBU out (+) |
| Pin 12a: external function selection: calibration scale | Pin 26c: 0 V |
| Pin 13a: external function selection: gain | Pin 27a: AES/EBU out (-) |
| Pin 13c: external function selection: PPM spot - sample-peakhold on | Pin 27c: control output, not used |
| Pin 14a: external function selection: PPM spot - sample-peakhold on | Pin 28a: control output, not used |
| Pin 14c: external function selection: PPM spot - sample off | Pin 28c: control output ERR-flag |
| Pin 15a: external function selection: memory reset | Pin 29a: control output OVL-flag, both channels merged |
| Pin 16a: external function selection: sample-peakhold manual | Pin 29c: control output mute flag, both channels merged |
| Pin 17a: external function selection: memory | Pin 30ac: - V (0 V) |
| Pin 18a: external function selection: loudness | Pin 31ac: case |
| Pin 18c: correlator mounting direction (horizontal/vertical) | Pin 32ac: + V |
| Pin 19ac: 0 V | |
| Pin 22a: case | |
| Pin 23a: AES/EBU in (+) | |
| Pin 24a: AES/EBU in (-) | |
| Pin 25a: 0 V | |

COLOURS

RAL 9011 Graphite black
RAL 7035 Light grey

ACCESSORIES

Subject to technical changes without prior notice 04/2004

