Peakmeter 1019GL

Description

Peakmeter

The level meter 1019GL is a plug-in unit in a 190 x 40 x 107 mm case. It is featured by a two-channel plasma bargraph display.

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.



-10 dB -20- -30

Sandwich scale, horizontal and vertical

Analog DIN x-former bal. • 10 ms/1 ms Scale 127 mm • Peak hold +20 dB/Memo

TECHNICAL SPECIFICATIONS

General

Supply voltage: $+24 \text{ V DC} \pm 10 \%$ max. 275 mA Current drain: Weight: 800 g Dimensions: 190 x 40 x 107 mm

Operating temperature range: +5° to +45° Celsius

Connector: DIN 41612/C (32-pin male connector) Fastening: M3 screws

Controls:

• 20 dB gain of input sensitivity · display of the stored peak

values and minimum correlation

• memory reset

• slide switch for activating 'loudness'

display

• slide switch for activating peak hold

• Fast-LED (short integration time) Indicators:

• 20 dB-LED (additional input gain)

Peakmeter

acc. IRT 3/6 and DIN 45406 Measuring standard:

Input sensitivity for 0 dB reading: +6 dBu (1.55 V) +21 dBu

Max. input level: Adjustable range of

input sensitivity: 0 dBu to +15 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)

1.5 s for 20 dB Fall back time: 2.5 s for 40 dB

from -50 dB to +5 dB Scale range: Calibration marks: superimposed marks

between -10 dB to +5 dB in steps of 1 dB

(on/off switchable)

Scale marks: -40, -30, -20, -10, -5 dB Headroom segments: 0 dB to +5 dBScale length: 127 mm

Display segments: 201 segments/channel Colour of display: to 0 dB orange, to +5 dB red

 $\pm 0.3~\text{dB}$ in the range of –10 dB to +5 dB Measuring accuracy: ± 1.0 dB in the range of -40 dB to -10 dB

Stereo correlation display

Scale range: -1 r to +1 r Scale length: 27 mm

Display segments: 11 segment LED display Colour of display: red -1 r to -0.2 r yellow 0 r

green +0.2 r to +1 r

Accuracy

20 Hz to 20 kHz: $\pm 0.2 \, r$ in the range of $-20 \, dB$ to $+22 \, dB$ 200 Hz to 15 kHz: ± 0.2 r in the range of -36 dB to +22 dB

Integration time: 0.5 s Fall back time: 0.5 s

Loudness display

Display: superimposed bargraph overlaying the normal bright peak value display

Frequency weighting: 3-section filter circuit per channel

True-RMS Detector:

Items delivered

Peakmeter 1019GL: · horziontal scale and vertical scale which

is fitted underneath (sandwich) • counter plug (DIN 41612/C)

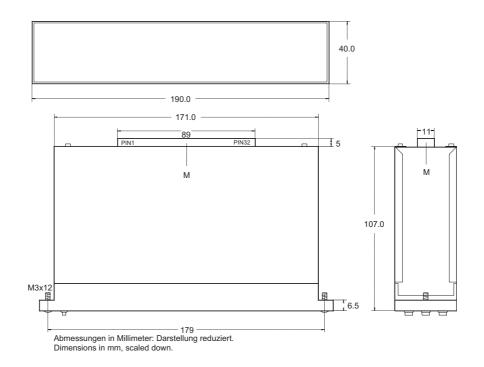
operating manual

Order number: 1019GL



Peakmeter 1019GL

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):

	1c a1				
	0	pin 1a:	audio input (+), upper or left display column (CH I) audio input (-), upper or left display column (CH I)		
	010	pin 3a:			
nin		pin 5a:	external control 10 ms - 1 ms		
	17:51				
	050 060			(+), lower or right display column (CH II)	
	070	pin 9a:	pin 9a: audio input (-), lower or right display colu		
	080	8 0			
	o 10 o			. ,	
	o 11 o	pin 13a: external control +20 dB		trol +20 dB	
	o 12 o			trol for activating peak hold mode	
□ 14 □ □ 15 □		pin 15a:	external control memory reset		
		'			
	o 16 o			troi memory dispiay	
	n 18 n	pin 18a:	to be grounded for vertical use		
	п 20 п			ound for external controls	
	n 21 n	'	external control for additional scale marks		
	_ 22 _			iroi for additional scale marks	
	□ 23 □ □ 24 □	pin 22a:	case		
	□ 25 □	pin 24a:	–15 V	for symmetrical power supply	
	□ 26 □	pin 26a:	0 V (center)	for symmetrical power supply	
	□ 27 □ □ 28 □	'	, ,		
	20 29	pin 28a:	+15 V	for symmetrical power supply	
	_ 30 _	pin 30a:	0 V	for single power supply	
	_ 31 _ _ 32 _	'	+24 V	9 1 11 3	
	0 32 0	pin 32a:	+24 V	for single power supply	
		1			

COLORS

19" - 1U moun-

Order no. 12991

ting frame

RAL 1015 light ivory RAL 9011 graphite black

ACCESSORIES





















ting frame

19" - 1U moun-Order no. 12992 19" - 1U mounting frame mounting frame Order no. 12996 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

Clamping locks Order no. 13973



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Subject to technical changes without prior notice 10/2006