

GENERAL DESCRIPTION

The RTW PeakMonitor 1089 is a plug-in unit in a 120 x 140 x 66 mm or 140 x 140 x 66 mm case. It contains three instruments:

8-channel Peakmeter plus
Correlator plus
AES/EBU Status display

PPM-mode and colour settings are selectable via menu.
The RTW PeakMonitor features 4 AES/EBU digital inputs.

TECHNICAL DATA PEAKMONITOR 1089



Digital

8-channel

95 mm PPM

Spot-Correlator

Peakmeter

Status

TECHNICAL SPECIFICATIONS

General

Supply voltage: +24 V/530 mA
Dimensions: 140 x 140 x 66 mm or 120 x 140 x 66 mm
Weight: 650 g
Connector: 64-pin connector DIN 41612 A/C
Fastening: clamping locks
Display:

- TFT active colour matrix-LCD
- viewing direction 3 o'clock
- active display area: 75 x 102 mm
- contrast: 1:60
- viewing angle: hor. +40/-65°; ver. ±65°

Inputs: x-former bal. > 10 kΩ/Hi-Z
Standby-mode: backlight cut off
Control inputs: parallel to front keys

Peakmeter

Display mode: 8 channel, various arrangements
Input mode: Digital
Scales:

- DIN-5, DIN-10, NORDIC, BRITISH IIa or IIb, VU, 0 to -60 dB FS, 0 to -20 dB FS, Zoom 2 and 20

Integration time:

- corresponding to selected standard; 1 ms; 0.1 ms; sample
- headroom -5 dB to -20 dB, in 1 dB-steps
- overload display, wordlength and number of samples adjustable
- operation field adjustable 0 - 15 dB below headroom
- +40 dB-gain
- DC/HP-Filter 5 Hz, 10 Hz, 20 Hz, OFF

Peakhold: display of peaks
Peakhold time: 'auto' approx. 2.5 s, 4 s and 'manual'

Correlator

Mode: spot
Attack/Release time: 1.0 s or 2.5 s

AES/EBU-Status-Monitor

Status bytes: display selectable channel 1 to 8

- hexadecimal, plaintext, binary
- audio-signal-evaluation

Items delivered

PeakMonitor 1089:

- operating manual
- counter plug
- Dimensions 120 x 140 x 66 mm

Order number: 1089-120

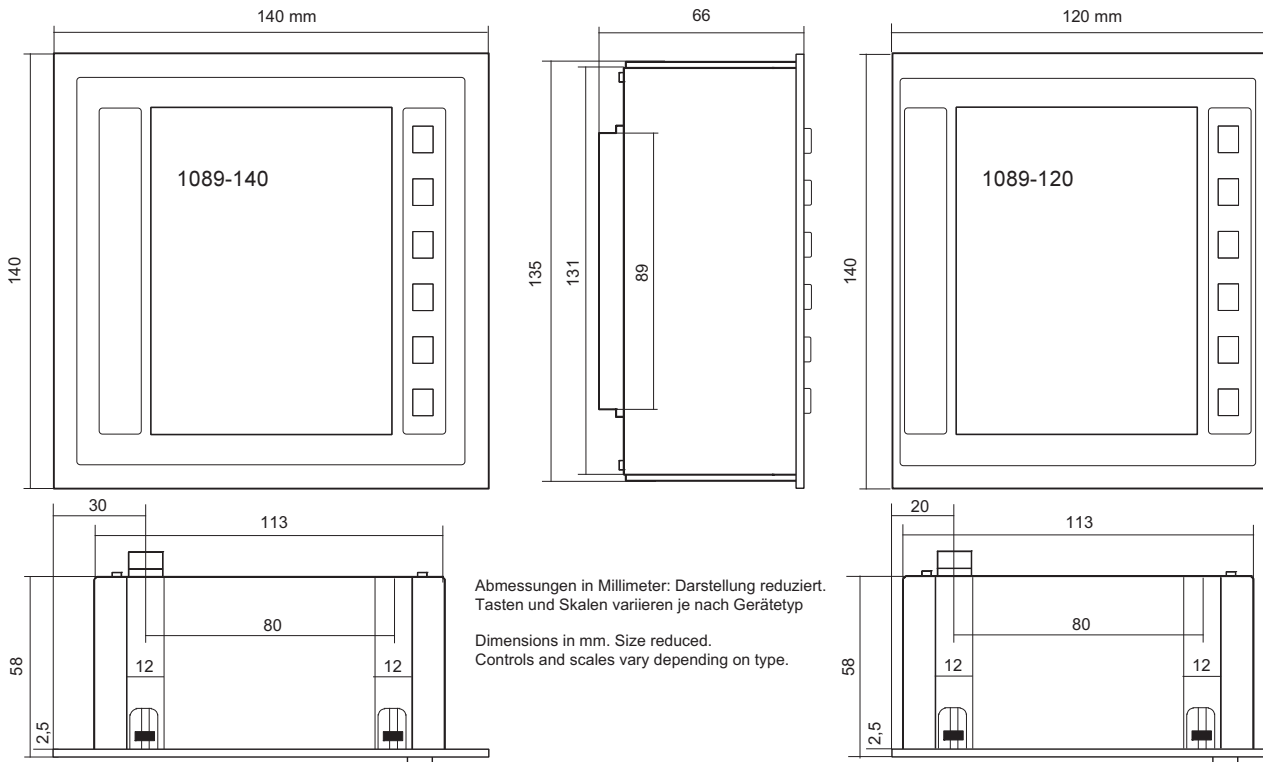
PeakMonitor 1089:

- operating manual
- counter plug
- Dimensions 140 x 140 x 66 mm

Order number: 1089-140

DIMENSIONS

PEAKMONITOR 1089



CONNECTION

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



Pin:	Function:	Pin:	Function:
9a+c	case	19c	switched out: overload ch 7
10a	switched out: overload ch 1	20a+c	case
10c	switched out: overload ch 2	21a	AES/EBU in 7 and 8 (- or cold)
11a	external function selection: GAIN	21c	termination 110 Ω digital input 7 and 8
11c	switched out: overload ch 3	22a	AES/EBU in 7 and 8 (+ or cold)
12a	external function selection: MEMORY	22c	termination 110 Ω digital input 7 and 8
12c	switched out: overload ch 4	23a	AES/EBU in 5 and 6 (- or cold)
13a	external function selection: RESET	23c	termination 110 Ω digital input 5 and 6
13c	switched out: overload ch 5	24a	AES/EBU in 5 and 6 (+ or hot)
14a	external function selection: OPTION	24c	termination 110 Ω digital input 5 and 6
14c	switched out: overload ch 6	25a	AES/EBU in 3 and 4 (- or cold)
15a	external function selection: MODE	25c	termination 110 Ω digital input 3 and 4
15c	0 V	26a	AES/EBU in 3 and 4 (+ or hot)
16a	do not wire, for future use	26c	termination 110 Ω digital input 3 and 4
16c	RxD	27a	AES/EBU in 1 and 2 (- or cold)
17a	external function selection: MENU DISABLE	27c	termination 110 Ω digital input 1 and 2
17c	TxD	28a	AES/EBU in 1 and 2 (+ or hot)
18a	external function selection: MENU	28c	termination 110 Ω digital input 1 and 2
18c	0 V	29a+c	case
19a	switched out: overload ch 8	30a+c	0 V voltage supply
		31a+c	case
		32a+c	+24 V voltage supply

COLOURS

RAL 9011/7011 Graphite black/Iron grey

ACCESSORIES



Meterbridge cabinet
Orderno. 1075-280



Adapter frame
Orderno. 13722
(only 1089-120)

Subject to technical changes without prior notice 04/2004