GENERAL DESCRIPTION

TECHNICAL DATA PEAKMONITOR 1090

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 8 balanced analog inputs as well as 4 alternative AES/EBU digital inputs.

Analog 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:	selectable via menu • analog: bal. > 10 kΩ • digital: AES/EBU; x-former bal., 110 Ω/Hi-Z
Standby-mode:	backligth cut off • 10 min; 60 min; inactive
Control inputs:	parallel to front keys

Peakmeter

Display mode:	8 channel, various arrangements
Input mode:	Analog, digital or mixed
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

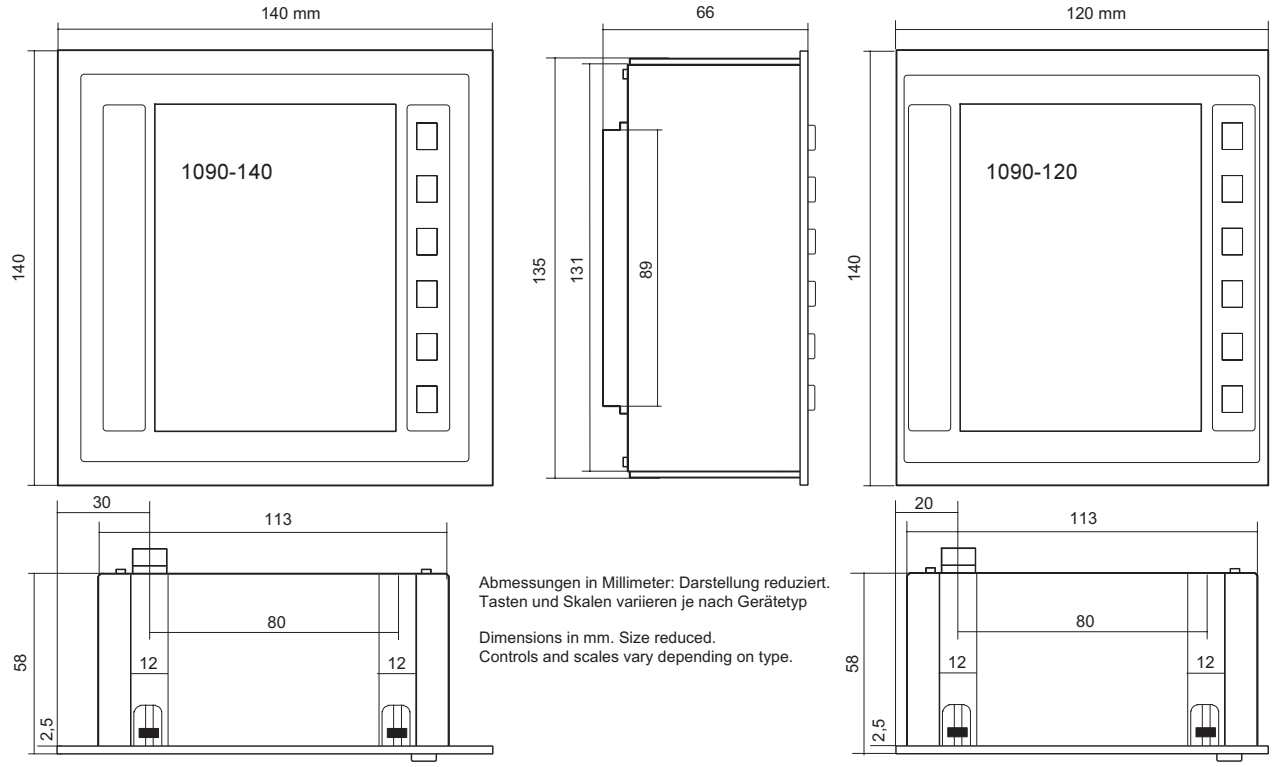
Mode:	spot
Attack/Release time:	1.0 s or 2.5 s

AES/EBU-Status-Monitor

Status bytes:	display selectable channel 1 to 8 • hexadecimal, plaintext, binary • audio-signal-evaluation

Items delivered

PeakMonitor 1090:	• operating manual • counter plug • Dimensions 120 x 140 x 66 mm **Order number: 1090-120**
PeakMonitor 1090:	• operating manual • counter plug • Dimensions 140 x 140 x 66 mm **Order number: 1090-140**

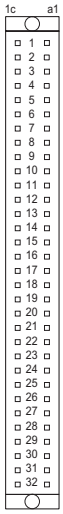


Abmessungen in Millimeter: Darstellung reduziert.
Tasten und Skalen variieren je nach Gerätetyp

Dimensions in mm. Size reduced.
Controls and scales vary depending on type.

CONNECTION

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

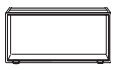


Pin:	Function:
1a+c	audio input 1 (a:+ or hot, c:- or cold)
2a+c	audio input 2 (a:+ or hot, c:- or cold)
3a+c	audio input 3 (a:+ or hot, c:- or cold)
4a+c	audio input 4 (a:+ or hot, c:- or cold)
5a+c	audio input 5 (a:+ or hot, c:- or cold)
6a+c	audio input 6 (a:+ or hot, c:- or cold)
7a+c	audio input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

COLOURS

RAL 9011/7011 Graphite black/Iron grey

ACCESSORIES



Meter bridge cabinet
Order no. 1075-280

Adapter frame
Order no. 13722
(only 1090-120)

Subject to technical changes without prior notice 04/2004

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