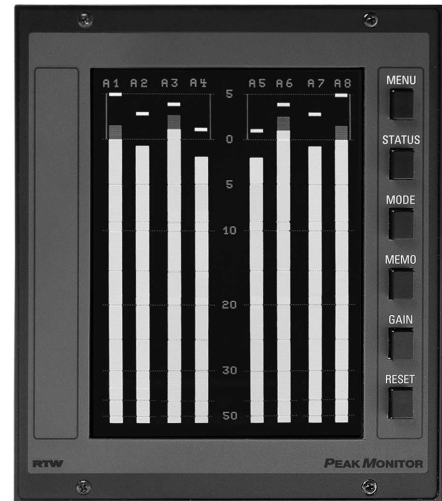The RTW PeakMonitor 1089 is a plug-in unit in a
120 x 140 x 66 mm or 140 x 140 x 66 mm case.
It contains three instruments:

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

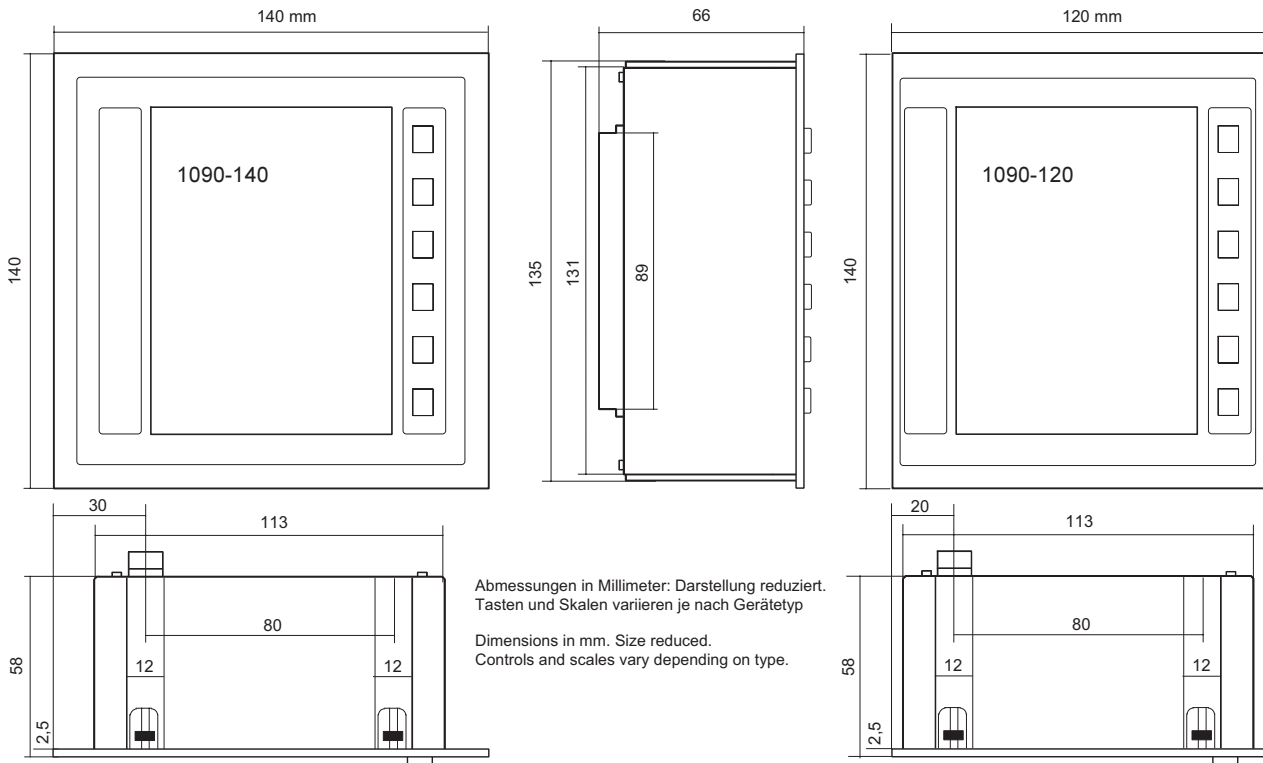|	
Status bytes:	display selectable channel 1 to 8
	• hexadecimal, plaintext, binary
	• audio-signal-evaluation

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

140 mm

1090-140

140

66

135 131 89

120 mm

1090-120

140

30
113
80
58
12   12
2,5

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

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

20
113
80
58
12   12
2,5

CONNECTION

The PeakMonitor is connected up using a 64-pin connector (DIN 41612A/C).
The connector is wired as follows:
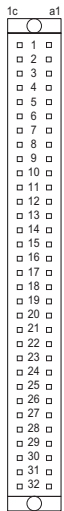
Pin:	Function:
1a+c	audio input 1 (a:+ or hot, c:- or cold)
2a+c	audio input 2 (a:+ or hot, c:- or cold)
3a+c	audio input 3 (a:+ or hot, c:- or cold)
4a+c	audio input 4 (a:+ or hot, c:- or cold)
5a+c	audio input 5 (a:+ or hot, c:- or cold)
6a+c	audio input 6 (a:+ or hot, c:- or cold)
7a+c	audio input 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

Pin:	Function:	
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)