

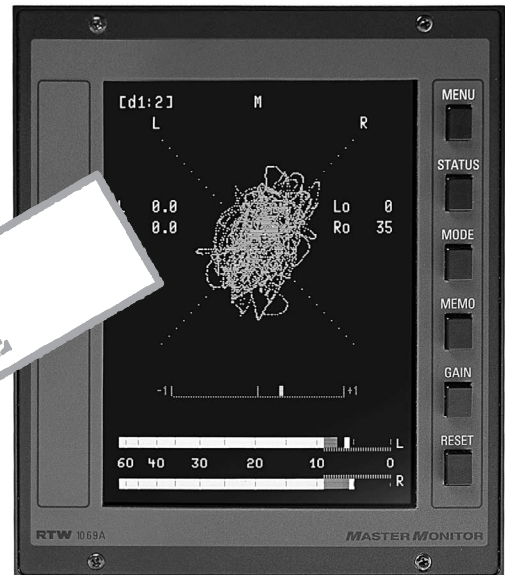
## GENERAL DESCRIPTION

The RTW MasterMonitor 1069A is a plug-in unit in a 120 x 140 x 66 mm case. It contains four instruments:

Audio vectorscope/goniometer	plus	plus
Peakmeter	plus	
Correlation display	plus	
AES/EBU Status display		

PPM-mode and colour settings are selectable via menu. The RTW MasterMonitor features x-former balanced analog inputs as well as an alternative AES/EBU digital input.

## TECHNICAL DATA MASTERMONITOR 1069A



Analog  
Digital

Goniometer

Correlator

Peakmeter

2-channel

Status

## TECHNICAL SPECIFICATIONS

### General

Supply voltage: +24 V/500 mA  
 Dimensions: 120 x 140 x 66 mm  
 Weight: 830 g  
 Connector: 64-pin connector DIN 41612 A/C clamping locks  
 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: xformer-sym. > 10 kΩ
- digital: AES/EBU; x-former bal., 110 Ω/Hi-Z 32 kHz to 96 kHz

 Standby-mode: backlight cut off
 

- 10 min; 60 min; inactive

 Control inputs: parallel to front keys

### Peakmeter

Display mode:
 

- 2ch, 2ch + S + D

 Input mode: Analog or digital  
 Scales:
 

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

 Integration time:
 

- corresponding to selected standard; 1 ms; 0.1 ms; sample

 Operation mode
 

- analog:
  - +20 dB-Gain for DIN, VU
  - +40 dB-Gain for NORDIC, BRITISH
- digital:
  - 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

### Audio vectorscope/goniometer

Displa area: 70 x 70 mm  
 AGC: Auto:
 

- attack 1 ms
- release 1 s/10 dB or 2 s/10 dB

 Fix:
 

- Gain selectable in steps of 5 up to 35 dB

 Calibration mode:
 

- Dual AGC
- graduated scale 90°, 20°

### AES/EBU-Status-Monitor

Status bytes: selectable channel A or B
 

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

### Items delivered

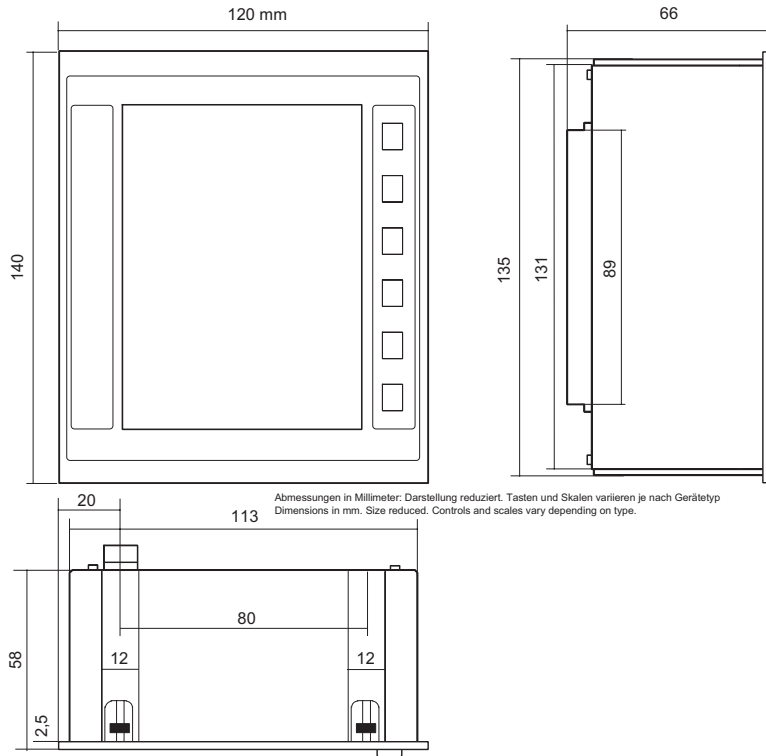
MasterMonitor 1069A:
 

- operating manual
- counter plug

Order number: 1069A-120

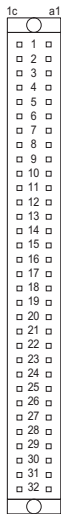
## DIMENSIONS

## MASTERMONITOR 1069A



## CONNECTION:

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



Pin:	Function:	
1a	audio input (+ or hot, upper or left display column)	} Connection switches AES/EBU
2a	case	
3a	audio input (- or cold, upper or left display column)	} input impedance to 110 Ω
7a	audio input (+ or hot, lower or right display column)	
8a	case	22a Case
9a	audio input (- or cold, lower or right display column)	23a AES/EBU in (+ or hot)
11a	external function selection: gain	24a AES/EBU in (- or cold)
12a	external function selection: memory	25a Case
13a	external function selection: memory Reset	26a AES/EBU out (+ or hot)
14a	external function selection: status	27a AES/EBU out (- or cold)
15a	external function selection: mode	30a/c 0 V voltage supply
15c	common potential for external switches	31a/c case
16c	do not wire, for future use	32a/c +24 V voltage supply
17a	external function selection: menu disable	
17c	do not wire, for future use	
18a	external function selection: menu	
18c	common potential for external switches	

## COLOURS

RAL 9011/7011 Graphite black/Iron grey

## ACCESSORIES



Meter bridge cabinet  
 Orderno. 1075-280



Adapter frame  
 Orderno. 13722



Interface adapter NTP  
 Orderno. 13974

Subject to technical changes without prior notice 04/2004