## GENERAL DESCRIPTION

The 4-channel RTW PortaMonitor 1064 is a table-top unit
in a 176.5 x 125.5 x 62.5 mm case.
It contains six instruments:

Audio vectorscope/goniometer   plus
correlation display   plus
2 Peakmeter (4 channel)   plus
AES/EBU Status display   plus
Surround display   plus
Real Time Analyzer

PPM-Mode and colour settings are selectable via menu.
The RTW PortaMonitor 1064 features balanced analog
inputs as well as alternative AES/EBU digital inputs.
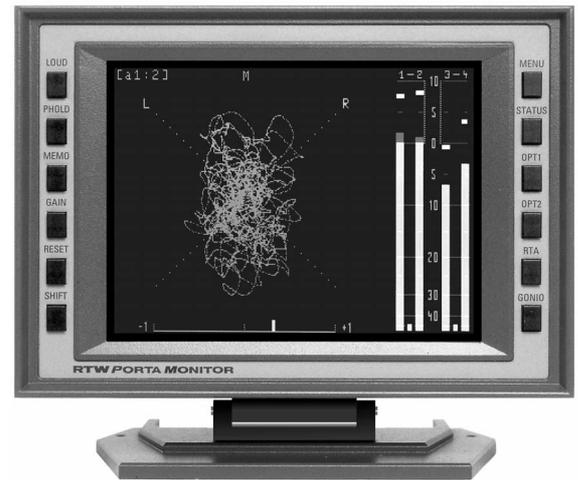
| Analog Digital | Goniometer | Correlator Loudness | Peakmeter | 4-channel | RTA Status | Surround 3.1 |

TECHNICAL SPECIFICATIONS

General

Supply voltage:	+24 V/580 mA
Dimensions:	176.5 x 125.5 x 61.5 mm
Weight:	1100 g
Connector:	1 x Sub-D-25p-f,
	1 x DC-power supply socket
Operating temperature range:	0° to +45° Celsius
Display:	• active colour matrix-LCD
	• viewing direction 6 o`clock
	• active display area: 111 x 83 mm
	• contrast ratio: > 80 at optimal viewing angle
	• viewing angle: hor. ±45 °; ver. +10/-34 °
Colour of display:	selectable via menu
Inputs:	selectable via menu; Pair A, Pair B, Pair A+B
	• analog: bal. > 10 kΩ
	• digital: AES/EBU; x-former bal., 110 Ω
	32 kHz; 44.1 kHz; 48 kHz
Standby-mode:	cut of backlight
	• 10 min; 60 min; inactive

Peakmeter

Display modes:	2ch, 2ch + S + D, 4ch
Input mode:	Analog, digital or mixed (4ch)
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:	• Norm; 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
	• +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'

Loudness   selectable, spot, display in goniometer mode only

Numerical level display	display in Goniometer mode only, permanent or on request (2 or 4 ch)
Correlator 1	
Input:	depending on goniometer settings
Mode:	spot
Attack/Release time:	1.0 s or 2.5 s
Correlator 2+3	4 ch mode only

Audio vectorscope/goniometer

Display area:	75 x 75 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 °

Real Time Analyzer and Peakmeter

|	
Input:	depending on goniometer settings
Number of frequency bands:	30
Filter curve:	acc. IEC 225 (CLASS II)
Display range:	15 dB, 30 dB, 45 dB
Ballistics:	peak, average
Longtime memory (freeze):	8
Peakhold:	display of peaks

AES/EBU-Status-Monitor

Status bytes:	selectable channel 1,2,3 or 4
	• hexadecimal, plaintext, binary
	• audio-signal-evaluation

Items delivered

PortaMonitor 1064:	• operating manual
	Order number: 1064
PortaMonitor 1064-PLUS:	• operating manual
	• power supply
	• table stand
	Order number: 1064-PLUS

176,5 • 61,5 • 5,6 • 125,4 • 123,8 • 2

174,9

REAR SIDE
1063/64

Audio • Remote
SUB D-25pol f • 24V DC • Sub-D-15p-f
- • +

Tischfuß
Table stand
Option
Best-Nr.:_ 13710

Frontplatten-Einbaukit
Panel mounting kit
Option
Best-Nr.: 13713

Adapterrahmen 200x190 mm
Adapter panel mounting kit
200x190 mm
Option
Best-Nr.: 13711

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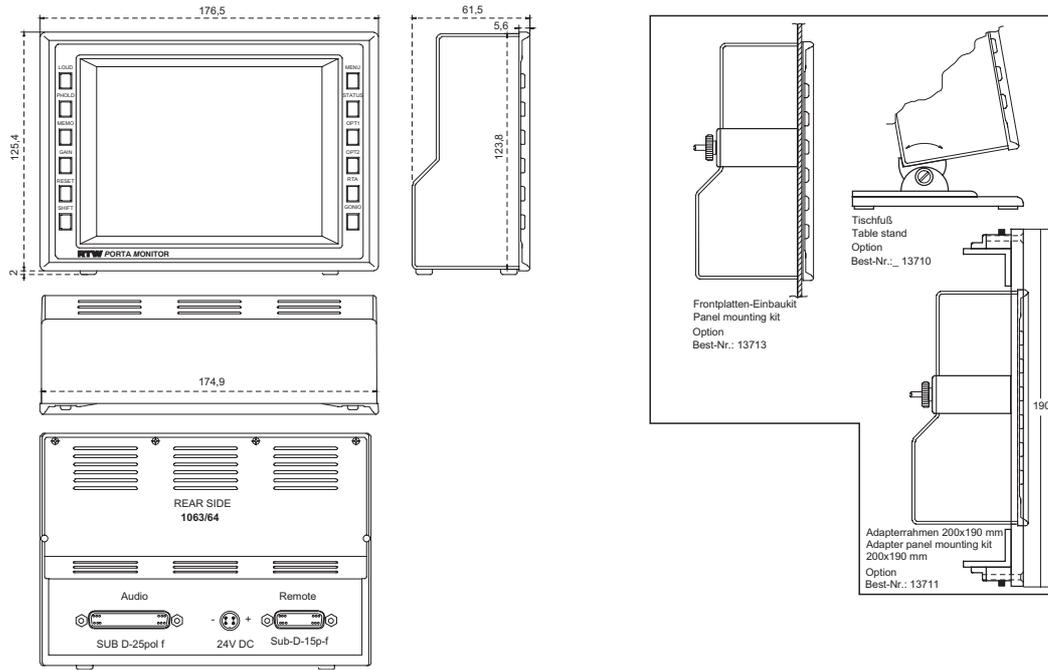
CONNECTION

The PortaMonitor is connected up as follows:

Pin 1, Pin 2, Pin 3, Pin 4, Pin 5, Pin 6, Pin 7, Pin 8, Pin 9, Pin 10, Pin 11, Pin 12, Pin 13, Pin 14, Pin 15
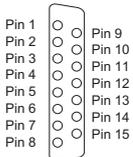
15p-Sub-D Remote

Pin:	Function:
1	common potential for external switches
2	external function selection: gain
3	external function selection: memory reset
6	external function selection: loudness
7	external function selection: peak hold
8	external function selection: shift
9	external function selection: memory
10	external function selection: menu
11	external function selection: status
12	external function selection: opt 1
13	external function selection: opt 2
14	external function selection: RTA
15	external function selection: gonio

Pin 1, Pin 2, Pin 3, Pin 4, Pin 5, Pin 6, Pin 7, Pin 8, Pin 9, Pin 10, Pin 11, Pin 12, Pin 13, Pin 14, Pin 15, Pin 16, Pin 17, Pin 18, Pin 19, Pin 20, Pin 21, Pin 22, Pin 23, Pin 24, Pin 25
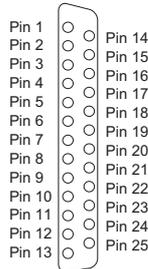
25p-Sub-D Audio

Pin:	Function:
24	audio input analog 1 (+, hot)
12	audio input analog 1 (-, cold)
25	screen/case
10	audio input analog 2 (+, hot)
23	audio input analog 2 (-, cold)
11	screen/case
21	audio input analog 3 (+, hot)
9	audio input analog 3 (-, cold)
22	screen/case
7	audio input analog 4 (+, hot)
20	audio input analog 4 (-, cold)
8	screen/case
18	audio input digital (AES/EBU) 1 (+, hot)
6	audio input digital (AES/EBU) 1 (-, cold)
19	screen/case
4	audio input digital (AES/EBU) 2 (+, hot)
17	audio input digital (AES/EBU) 2 (-, cold)
5	screen/case
1	+24 V DC
14	+24 V DC
2	0 V

Power supply connector
Pin assignment:

1-2	+24 V
3-4	0 V

COLOURS

Scale	RAL 7000 Squirrel grey
Case	RAL 7015 Slate grey

ACCESSORIES

Power supply, Euro	Power supply, Euro, UK, US, AUS	Sub-D snake cable to XLR	Table stand	Adapter frame	Mounting set
Order no. 1171-R	Order no. 1172-R	Order no. 1186	Order no. 13710	Order no. 13711	Order no. 13713