

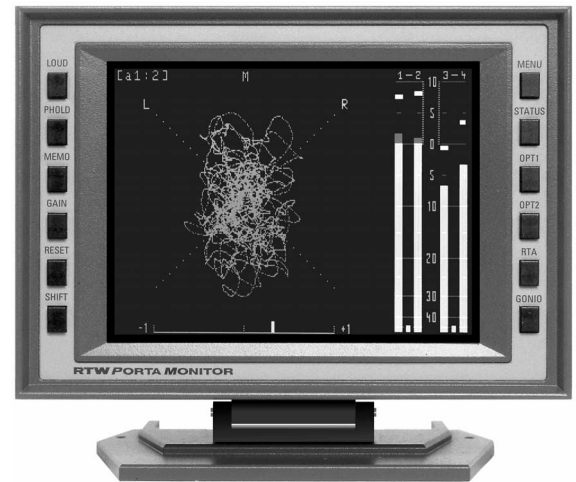
GENERAL DESCRIPTION

The 4-channel RTW PortaMonitor 1063 is a table-top unit in a 176.5 x 125.5 x 62.5 mm case. It contains five instruments:

Audio vectorscope/goniometer plus
 Correlation display plus
 2 Peakmeter (4 channels) plus
 Surround 3.1 display plus
 AES/EBU Status display

PPM-Mode and colour settings are selectable via menu. The RTW PortaMonitor 1063 features balanced analog inputs as well as alternative AES/EBU digital inputs.

TECHNICAL DATA PORTAMONITOR 1063



Analog
Digital

Goniometer

Correlator
Loudness

Peakmeter

4-channel

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
 • Norm; 1 ms; 0.1 ms; sample

Integration time:
 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
 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°

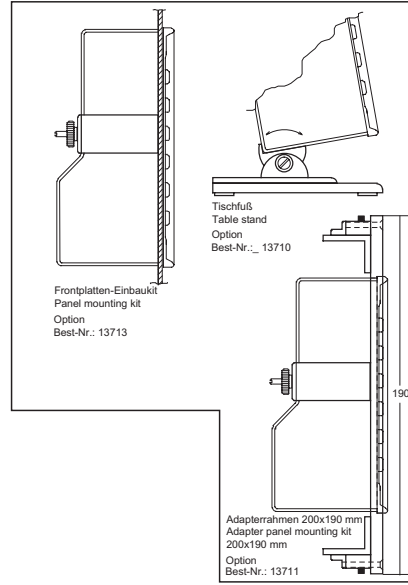
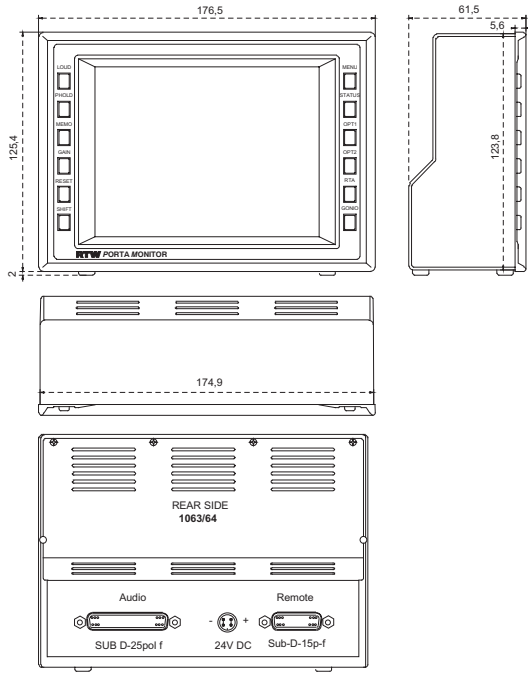
AES/EBU-Status-Monitor

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

Items delivered

PortaMonitor 1063:
 • operating manual
Order number: 1063

PortaMonitor 1063-PLUS:
 • operating manual
 • power supply
 • table stand
Order number: 1063-PLUS



CONNECTION

The PortaMonitor is connected up as follows:

Pin 1	○	Pin 9	○
Pin 2	○	Pin 10	○
Pin 3	○	Pin 11	○
Pin 4	○	Pin 12	○
Pin 5	○	Pin 13	○
Pin 6	○	Pin 14	○
Pin 7	○	Pin 15	○
Pin 8	○		

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: goniometer

Pin 1	○	Pin 14	○
Pin 2	○	Pin 15	○
Pin 3	○	Pin 16	○
Pin 4	○	Pin 17	○
Pin 5	○	Pin 18	○
Pin 6	○	Pin 19	○
Pin 7	○	Pin 20	○
Pin 8	○	Pin 21	○
Pin 9	○	Pin 22	○
Pin 10	○	Pin 23	○
Pin 11	○	Pin 24	○
Pin 12	○	Pin 25	○
Pin 13	○		

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:



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	RTA-module	Mounting set
Orderno. 1171-R	Orderno. 1172-R	Orderno. 1186	Orderno. 13710	Orderno. 13711	Orderno. 13712	Orderno. 13713

Subject to technical changes without prior notice 04/2004