

Attenuator Unit PAH-4000/93-2

MTS-No.: 69.00.0330

Application

With this Attenuator Unit it is possible to test mobile communication equipment. It can be used for example for emulating the air interface.

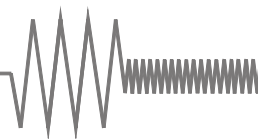
Description

This Attenuator Unit is equipped with 2 programmable attenuators model PAH-4000/93 with N-connectors. The unit can be controlled by IEEE488, RS-232 or optional LAN-interface. A manual control with touch panel display is included.



Characteristics

- ▶ Usable for all frequencies between 200 MHz and 4000 MHz, such as GSM / DCS / DECT / UMTS etc.
- ▶ 2 Programmable attenuators
- ▶ Attenuation range from 0 dB to 93 dB in 1 dB steps
- ▶ Controlled by IEEE488 and RS-232
- ▶ Manual control with touch panel display
- ▶ Attenuator Unit with LAN-interface see 69.00.0331 PAH-4000/93-2LAN
- ▶ Optional: interfaces and connectors to customers specifications.
- ▶ Attenuator Units can be designed according to customers individual requirements.



Attenuator Unit PAH-4000/93-2

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Configuration:

2 pcs. programmable attenuators PAH-4000/93

Technical data:

1 RF-specifications:

1.1 Impedance	50 Ω
1.2 Input power	+26 dBm max.
1.3 Frequency range	200 MHz - 4000 MHz
1.4 RF-connections	N female
1.5 Switching time	50 ms max.
1.6 VSWR	2,6 : 1 max.
1.7 Insertion loss	9,5 dB max.
1.8 Attenuation	0 dB – 93 dB in 1 dB steps
1.9 Gradation	1 dB / 2 dB / 4 dB / 8 dB / 16 dB / 16 dB / 16 dB / 30 dB (0,5 dB steps on request)
1.10 Setting accuracy	1 dB - 23 dB: ±0,3 dB +5% of the attenuation value 24 dB - 93 dB: ±0,5 dB +10% of the attenuation value

2 Connections:

2.1 Front side	Power supply switch with integrated control lamp RF-connections
2.2 Rear side	Power supply Control card Appliance plug with the integrated fuses F1 and F2 Ground connector Control interfaces

3 General specifications:

3.1 Power supply	100 V – 240 V 47 Hz / 63 Hz
3.2 Internal voltage	5 V DC
3.3 Control displays	Control lamp in power switch Control LED for 5 V DC at the power supply unit

3.4 Control interfaces	Manual control (touch panel) IEEE488 RS-232 LAN (optional)
3.5 Power consumption primarily	40 mA
3.6 Voltage supply	Standard rubber connector
3.7 Operating temperature	0 °C to +50 °C
3.8 Reference temperature for specifications	+25 °C
3.9 Dimensions	19"-unit x 3 HU x 320 mm (dimensions without handles and connections)
3.10 Colour	Front side: colourless anodized Rear side: colourless anodized
3.11 Weight	5,3 kg

4 Delivered parts:

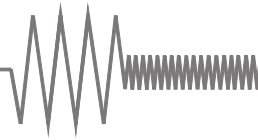
PAH-4000/93-2
Power cable
Operating manual (on CD)

5 Comments:

Warranty	12 months
RoHS-compliant	Yes

6 Recommended accessories:

Shielding box of the
series MSB-02xx
RF-cables

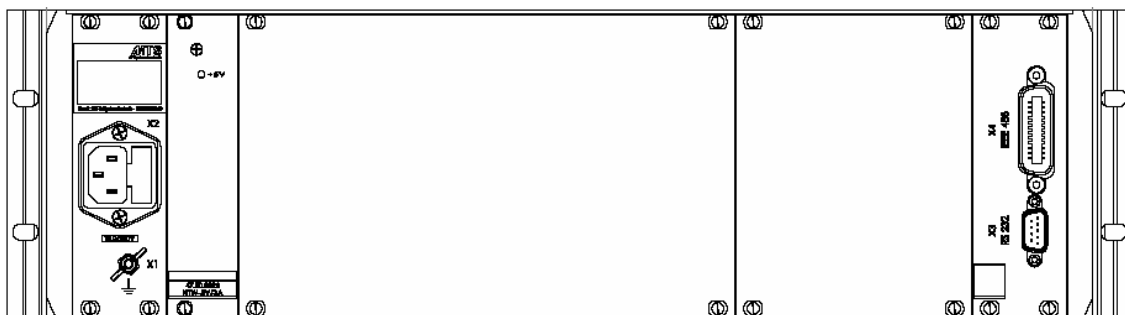
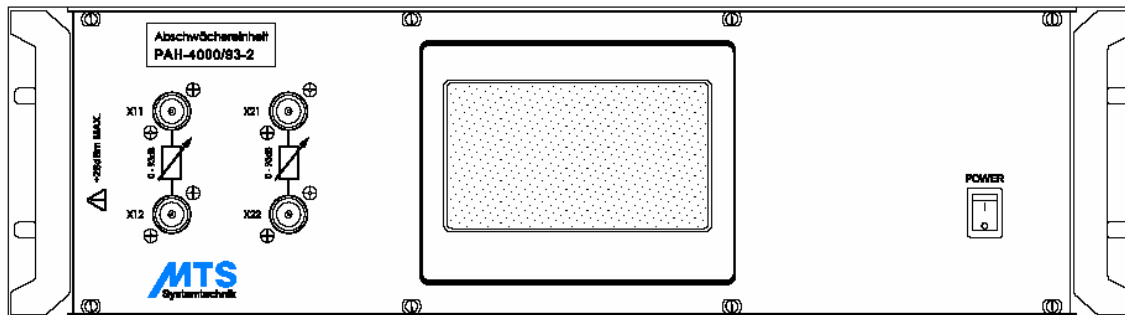


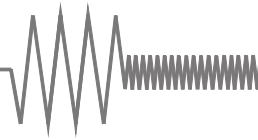
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Views:

69.00.0330 PAH-4000/93: front and rear view





Attenuator Unit PAH-4000/93-2

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Views:

69.00.0331 PAH-4000/93LAN: front and rear view

