

## Attenuator Unit PAH-4000x4/LT2x2

MTS-No.: 69.00.0340

### Application

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

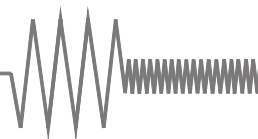
### Description

This Attenuator Unit is equipped with 4 signal inputs and 2 signal outputs. Each 2 signals are attenuated by programmable attenuators model PAH-4000 and are combined to 1 output. The unit can be controlled by IEEE488, RS-232 or optional LAN-interface.



### Characteristics

- ▶ Usable for all frequencies between 800 MHz and 2900 MHz, such as GSM / DCS / DECT / UMTS etc.
- ▶ 4 Signal inputs and 2 signal outputs. Each 2 signals are attenuated by programmable attenuators and combined to 1 output
- ▶ Attenuation range from 0 dB to 93 dB in 1 dB steps
- ▶ Controlled by IEEE488 and RS-232
- ▶ As option LAN-interface
- ▶ Optional: interfaces and connectors to customers specifications
- ▶ Attenuator Units can be designed according to customers individual requirements



## Attenuator Unit PAH-4000x4/LT2x2

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### Configuration:

2x paths with each 2 pcs. programmable attenuators PAH-4000 and 1 power divider LT2

### Technical data:

#### 1 RF-specifications:

1.1 Impedance	50 $\Omega$
1.2 Input power	+26 dBm max.
1.3 Frequency range	800 MHz to 2900 MHz
1.4 RF-connections	N female
1.5 Switching time	50 ms max.
1.6 VSWR	2 : 1 typ.
1.7 Insertion loss	10 dB typ.
1.8 Attenuation	0 – 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
1.10 Setting accuracy	1 dB – 23 dB: $\pm 0,3$ dB +5% of the attenuation value 24 dB – 93 dB: $\pm 0,5$ 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	230 V + 6%/-10% 47... 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	IEEE488 RS-232
3.5 Power consumption primarily	16 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	6,4 kg

#### 4 Delivered parts:

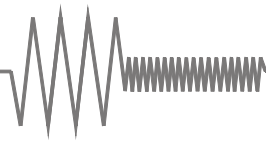
PAH-4000x4/LT2x2  
Power cable  
Operating manual (on CD)

#### 5 Comments:

Warranty	12 months
RoHS-compliant	No

#### 6 Recommended accessories:

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



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Views:

