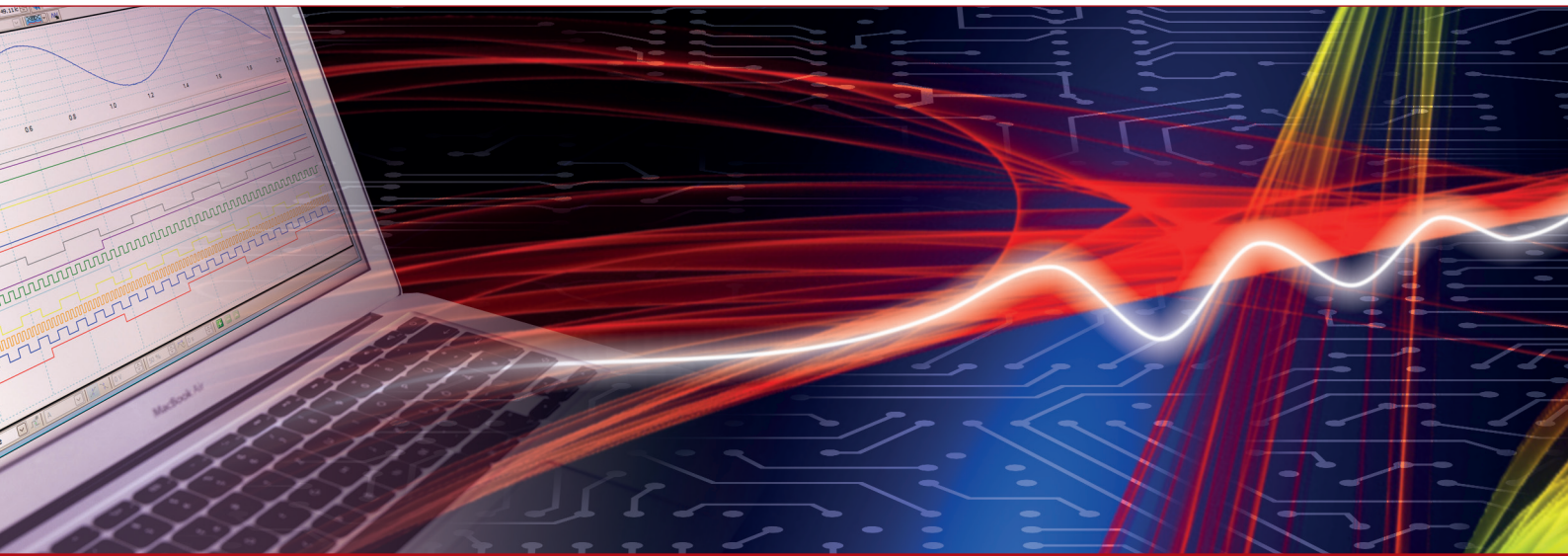


Product Datasheet - Technical Specifications



More information in our Web-Shop at ► www.meilhaus.com and in our download section.

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ME-PowerHouse-M (ME-5-M) 2.0 - 1-Channel Analog Output Amplifier

- Fully transparent 1 channel analog amplifier.
- Simply connects in between the analog output of a PC-board/waveform generator and your application - no software modification required.
- Input range max. ± 10 V, amplifies to ± 100 V, output range max. 100 mA.
- Inputs and outputs standard BNC.
BNC connectors of inputs for combination with ME terminal blocks. Use with ME-4000, ME-6000 and various waveform generators.
- In a robust metal housing (stackable with ME-Synapse and ME-Neuron).
- Bandwidth max. 250 kHz at ± 100 V, 500 kHz at ± 50 V, 930 kHz at ± 25 V, 1.1 MHz at ± 20 V [Tschebyscheff characteristics].
- Pluggable Phoenix connector for 9...27 V (nom. 24 V) supply power.
- LEDs for power.
- Over voltage protection (transient diodes)

Model	Configuration	Gain	Eingang	Ausgang
ME-5-M 2.0 ME-PowerHouse-M 2.0	Model in metal housing	x10	BNC, max. ± 10 V	BNC, ± 100 V, max. 100 mA
For use with...	...all analog outputs with a range of max. ± 10 V, for example:			
	ME-FoXX ME-4600 series (models with D/A), most convenient with connector block ME AB-D78M/4660(-H) or 4000(-H).			
	ME-6000 series, most convenient with connector block ME AB-D78M/6000(-H).			
	ME-6000 series, most convenient with connector block ME AB-D78M/6000(-H).			
	Rigol waveform generators DG1022(A), DG1000Z series, DG4000 series, DG5000 series.			
	PeakTech waveform generators P4055, P4060, P4065, P4105, P4115, P4125, P4165.			
	ETC Signal-Generator M531.			
	and others			

Specification

Channel Amplifier

Capacitive load	max. 2.2 nF incl. 2 m BNC cable
Input range	max. ± 10 V
Gain	range of ± 10 V to ± 100 V optional on the amplifying. Please contact us by using other amplifying.
Output range	max. 100 mA
Bandwidth	bandwidth max. 250 kHz of ± 100 V, 500 kHz of ± 50 V, 930 kHz of ± 25 V, 1.1 MHz of ± 20 V (Tschebyscheff-characteristic)
Optional filter	optional lowpass or AC coupling possible, available on request
Protection	over-voltage protection with transient diode for power supply input up to 27 V and above (for a short period of time), protection with LED-display

General Data

Power supply	9...27 V, nom. 24 V via pluggable Phoenix connector. Power supply for amplifier generated with DC/DC converters and protection.
Optional feature for adapter	ME-SIG32-PWR Desktop adaptor for ME-5 series (and ME-SIG32), connector for pluggable Phoenix terminal. INPUT: 100 – 240 V $\sim$ 1.6 A max., 50 – 60 Hz, 100 – 200 VA. OUTPUT: +24 V, 2.7 A, 65 W max. ME-Synapse LAN PWR DIN rail adapter, connector for pluggable Phoenix terminal. Input: 115/230 VAC, $\sim$ 4.0/2.0 A Output: 24 V, 7.5 A
LED	LEDs for supply power status
Connectors	2x BNC, 1 x Phoenix
Size	metal housing, stackable, $\sim$ 65 mm (L) x 147 mm (W) x 262 mm (H); optional 19"-mountable or DIN-rail-mountable
Certification	CE

Can be Connected to ...
...analog output signals in the range of ± 10 V, for example:
ME-FoXX ME-46x0 family (models with D/A) using a terminal block ME-AB-D78M-4000(-H).
ME-6x00 family using a terminal block ME-AB-D78M-6000(-H).
Keysight waveform generators 33600-series, 33500-series, 33210A, 33220A, 33250A, U2761A
Rigol waveform generators DG1022(A), DG1000Z-series, DG4000-series, DG5000-series
ETC waveform generators M531
PeakTech waveform generators P4055, P4060, P4065, P4105, P4115, P4125
and others