

The **RoentDek FAMP8** is an 8-fold amplifier for high frequency pulse signals as obtained from microchannel plate detectors and all kinds of secondary electron amplifiers (photomultiplier, channeltron, etc.).

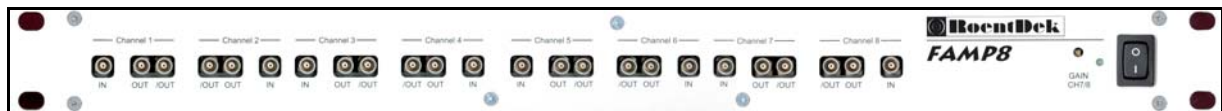
The 19" rack mount case (one height unit) hosts 8 individual bipolar amplifiers with a bandwidth of 2-500 MHz on AC-coupled 50 Ohm impedance input (lemo) and both inverting/non-inverting outputs. The nominal amplification factor is about 55 and can be adjusted for 6 of the channels within +/-10% and from 0 to 110% for 2 of the channels. The maximum linear output signal height is approx. +/- 1.5 V. Amplification of inverting and non-inverting output may differ within 10%.*

The unit has a power consumption of 30 Watt (2.5 A at +12V) and is equipped with an over-temperature protection. It comes with an external power supply for 100-250V AC (50-60Hz) mains power (typ. power consumption < 35 W).

Size (approx.): 484 mm x 45 mm x 202 mm (width x height x depth)

Insertion depth (including power connector): 262 mm

Weight: 1400g (without power adapter)



The **FAMP8** is especially suited for signal amplification of all **RoentDek** delay-line detectors with **FT12(16)TP** (or similar) signal decouplers.

It can be used for detector readout in combination with a CFD and TDC or with a fast ADC system (e.g. **FADC4/8**).

* Input impedance may vary when amplification is altered.