

The EbA is a 2 channel analog electronic processing unit. It is used as the electronic module (Module E) in SENIS 2-axis low noise magnetic flux density to voltage transducers.



Figure 1: The picture of EbA (picture is for illustrative purposes only)

Specifications

Mechanical

Package: high mechanical strength, electrically shielded aluminum case 103 W x 160 L x 53 H mm (0.87dm³) weight <0.9kg

Electrical

Connector CoS	BR2 bulkhead receptacle rear mount (Mating Plug, BR2 straight plug clamp 2 cores cab 4mm) field signal Y+, Y-,ground shield field signal Z+, Z-,ground shield temperature signal BNC out
Connector CoP	DIN SFV50, 5 pole. (Mating Plug, KV50) power, +12V Pin 3 power, -12V Pin 1 ground (common) Pin 2

The other specifications are given in the list of specifications of the corresponding transducer.

Power

Voltage +12V, -12V nominal, $\pm 10\%$.
Current ca. 300mA

Environmental

Temperature (operating) 5° to 45°C