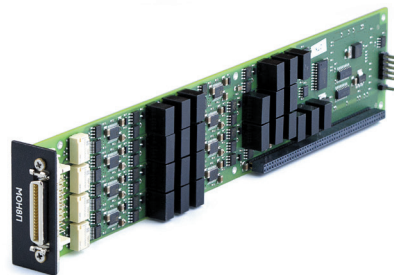


## Source of DC voltage **MON8P**

MON8P mezzanine is designed to reproduce DC voltage across eight channels galvanically isolated from each other and from the housing.

The mezzanine provides verification of the main technical characteristics in the self-control mode.



### Specifications

Reproduction of a direct current voltage on eight channels galvanically isolated from each other and control circuits	The DC voltage is reproduced on each channel in the range from -10 to 10 V, in the subranges: <ul style="list-style-type: none"><li>-10 to -1 V;</li><li>-1 to 1 V;</li><li>1 to 10 V</li></ul>
The limits of the permissible basic absolute error in reproducing DC voltage in the idle mode at an ambient temperature of $(20 \pm 2)^\circ\text{C}$ are equal to: <ul style="list-style-type: none"><li><math>\pm 0.6</math> mV for sub-ranges from -10 to -1 V, from 1 to 10 V;</li><li><math>\pm 0.3</math> mV for a subrange from -1 to 1 V</li></ul>	Programmable step of reproducible DC voltage 0.1 mV
The limits of the permissible additional absolute error in reproducing the DC voltage in idle mode are equal to: <ul style="list-style-type: none"><li><math>\pm 0.02 \times T</math>, mV for sub-ranges from -10 to -1 V, from 1 to 10 V;</li><li><math>\pm 0.01 \times T</math>, mV for a sub-range from -1 to 1 V</li></ul> where T is the deviation of the ambient temperature from a value of 18 °C or from a value of 22 °C	The "Reset" voltage values set at the outputs of the mezzanine DC voltage generating channels upon receipt of the "Reset Voltage" (CLR) program command in the mezzanine registers are in the range from -10 to 10 V
Load Connection Diagram - Two-wire	30 ms output voltage settling time
	Maximum load current 10 mA
	Maximum load capacity 0.01 uF
Dielectric strength between the channels, as well as between the channels and the 200 V enclosure	Mezzanine DC voltage reproduction circuits are galvanically isolated from the housing of the mezzanine carrier
	Resistance of galvanic isolation between the channels, as well as between the channels and the housing 20 MOhm