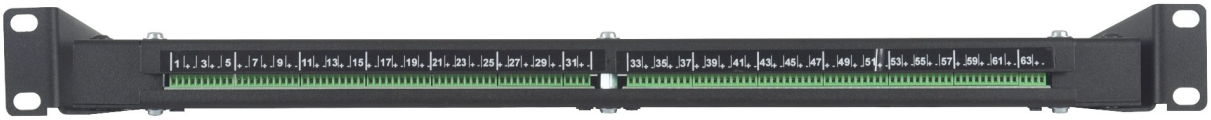
Multi-channel thermometers for thermocouples type MX64.

MX64K



RACK 19” mounted 64 channel cassette MX64K64

Measuring cassettes type MX64K

The MX64 measuring cassettes allow temperature measurement with thermocouple sensors. They are designed to build virtually any large measuring system and individual cassette can work as multi-channel thermometer. We offer 4 types of cassettes for effective and economical construction of measuring stand:

- MX64K64 – 64 thermocouple inputs.
- MX64K48 – 48 thermocouple inputs.
- MX64K32 – 32 thermocouple inputs.
- MX64K16 – 16 thermocouple inputs.

For the user's convenience, the cassettes are equipped with handles for RACK 19” 1U cabinets or wall brackets. RACK 19 ”cassettes for all available versions have identical housing. The dimensions of the other versions are shown in the drawings below.
Each input has a precise programmable gain, filter and programmable A/D converter.
For measuring cassettes we offer driverAL driver or driverMX program communicating with cassettes in TCP/IP mode.
The driverAL driver enables communication in the MODBUS TCP/IP RTU standard with external programs. In addition, the controller has a manual mode to help when writing external presentation or control programs.

The driverMX program enables graphical and tabular presentation of current measurements and saving to text files. To facilitate the presentation, the user has up to 25 programmable windows.
The cassettes have a wide range of supply voltages from 7V to 36V, M12 3PIN connector and a second 5V micro USB power connector. In addition, the USB port is used to program communication parameters.
For correction and calibration of sensors, text files with dedicated instructions are used. Below is an example of a file:

```
slave 13  dT  -0.1                    //192.168.2.212
slave 14  dT  0.2   sB 1.012
                    k3  sB 0.9986  sC 0.23
                    k7  sB 0.982  sC 0.3
                    k13 sC 0.4
slave 15  dT  -0.2
                    k2  sB 1.0121  sC -0.31
                    k5  sB 0.982  sC 0.3
                    k15 sC 0.4
slave 16  dT  0.4
```

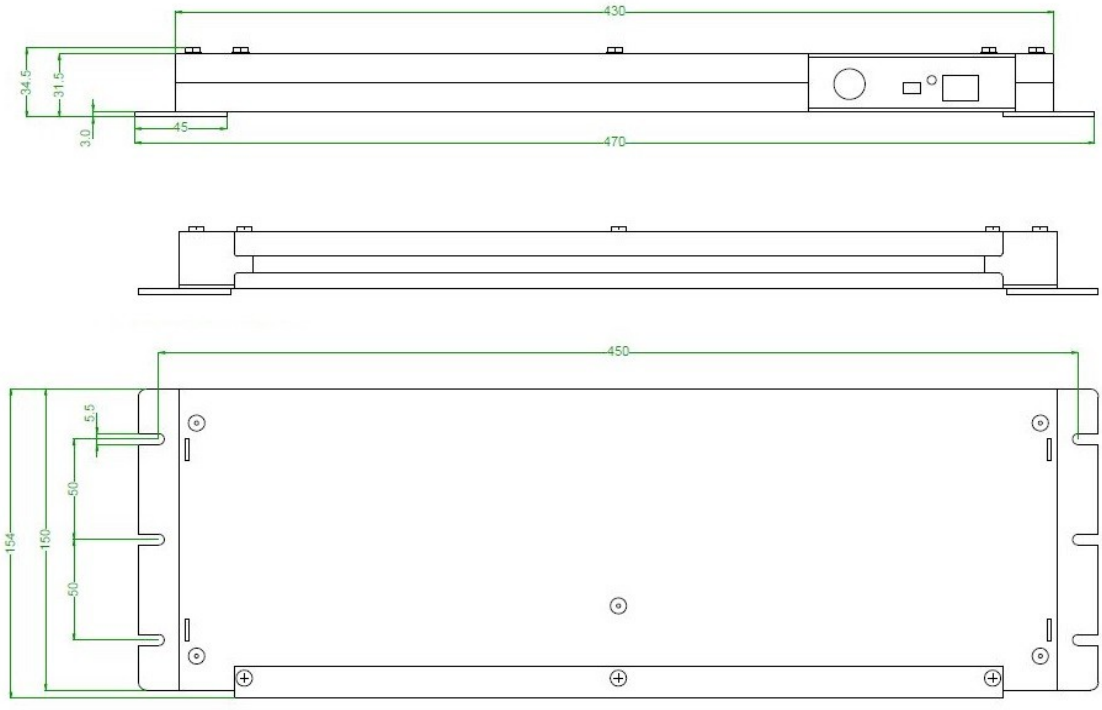
In the above file, we can choose type of thermocouple by default, the type "K".

Parametry techniczne:

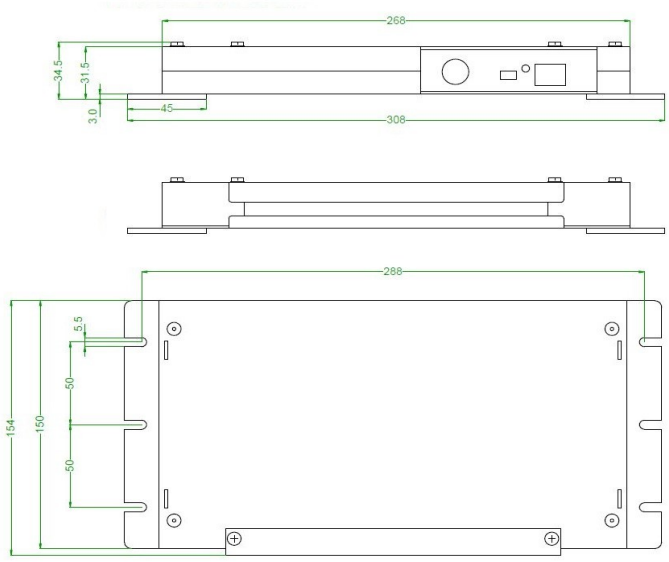
- Input characteristics: Thermocouple K.
- Maximum measured temperature: <1200 ° C
- Minimum temperature:> -45 ° C.
- Measurement resolution: 0.1 ° C
- Input characteristic accuracy: 0.3 ° C
- Sensor inputs: Screw connection.
- Minimum wire field: 0.12mm2
- Maximum wire field: 0.82mm2
- Power supply: M12 port plug, from 7V to 36V
- Power consumption: 2.4W/Uzas e.g. 24VDC/0.1A
- Additional power supply: USB 5V / 0.35A port
- Communication interface: LAN RJ45

Wall mounted 32 and 16 channel cassette.

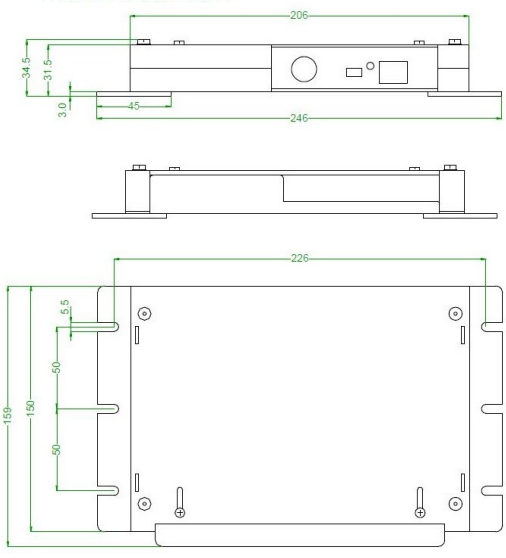
M12 power sockets, micro USB and communication RJ45.



64 input housing



32 input housing.



16 input housing.