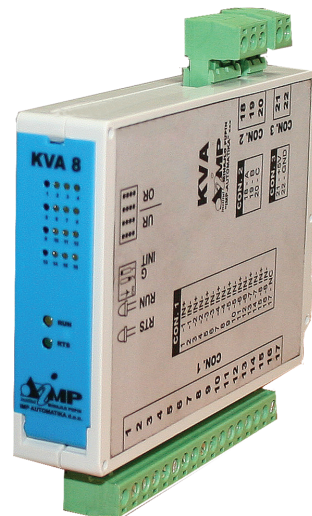


KVA8

Analog input module

Basic functions

- Analog input module
- Reception of voltage analog signals from the converter
- 8 differential analog inputs with galvanic isolation between channels
- Galvanic isolation between inputs and power supply
- Filtering analog inputs by time
- Software setting of voltage input range for each channel independently
- Connection to other modules via RS485 bus
- LED indication of over and under range



PIN layout

Application

The KVA8 analog input module accepts voltage analog signals from the proceses and transmits them via RS485 bus either to SCADA directly or to the Atlas Max-RTL[®].

Design

Cabur CH boxes (Dimensions WxDxH 24x85x121mm)

Connections

There is a 17- pin module for introducing analog inputs on the bottom side and on the upper side there are 3- pin module for the RS485 bus and 2- pin module for the power supply.

The analog inputs are galvanically isolated from each other.

Technical specifications

Operating temperature	-20 to 60 °C
Operating humidity	5 to 95% RH
Input resistance	>100KOhm
Current input types	2V to 10V, 0 to 10V, -10 to +10V, 0.5V to 5V, 0 to 5V, -5 to +5V, 0 to +2.5V, -2.5V to +2.5V
Power supply	5V DC
Consumption	max 100mA@5V

CON.1		
PIN	Signal name	Description
1	+IN1	+INPUT1
2	-IN1	- INPUT1
3	+IN2	+INPUT2
4	-IN2	-INPUT2
5	+IN3	+INPUT3
6	-IN3	-INPUT3
7	+IN4	+INPUT4
8	-IN4	-INPUT4
9	+IN5	+INPUT5
10	-IN5	-INPUT5
11	+IN6	+INPUT6
12	-IN6	-INPUT6
13	+IN7	+INPUT7
14	-IN7	-INPUT7
15	+IN8	+INPUT8
16	-IN8	-INPUT8
17	NC	Do not use

CON.2		
PIN	Signal name	Description
	RS485	
18	A	Reception/transmission+
19	B	Reception/transmission-
20	C	Joint point

CON.3	
PIN	DESCRIPTION
21	+5V
22	GND5V

Block diagram of the input circuit:

