

MU-UI

overview

- ◆ strain-gauge to analogue signal transducer
- ◆ supply voltage 24V=
- ◆ high linearity, long term stability
- ◆ high temperature stability
- ◆ selectable input and output signal
- ◆ 23mm DIN rail mount housing



Specification

supply voltage	24V= 10%
power consumption	0,85 Watt voltage output 1,2 Watt current output
input	
Bipolar	+/-10mV, 0/-50mV, +/-100mV, +/-0,5V, +/-1V, +/-5V, +/-10V; +/-20mA
Unipolar	0-10mV, 0-50mV, 0-100mV, 0-500mV, 0-1V, 5-5V, 0-10V; 0-20mA
output	
Bipolar	+/-5V, +/-10V
Unipolar	0-10V 0-20mA
accuracy	+/- 0,1% FSR (typ.)
temperature drift	150ppm typ
screw tightening torque	0,5Nm
operating conditions	0°C to +50°C non condensing

		Input Range (SW2)							
Bipolar	Unipolar	1	2	3	4	5	6	7	8
+/-10mV	0-10mV	ON							
+/-50mV	0-50mV		ON						
+/-100mV	0-100mV			ON					
+/-0,5mV	0-0,5V				ON				
+/-1V	0-1V					ON			
+/-5V	0-5V						ON		
+/-10V	0-10V								
+/-20mA	0-20mA								ON

Table 1: switch positions of input

		Output Range (SW1)							
Output Range	Input Range	1	2	3	4	5	6	7	8
-5V	-10mV, -50mV, -100mV, 0,5V, -1V, -5V, -20mA	ON		ON					ON
	0-10mV, 0-50mV, 0-100mV, 0-0,5V, 0-1V	ON		ON		ON			ON
	-10mV, -50mV, -100mV, 0,5V, -1V, -5V, -20mA		ON		ON			ON	
0-20mA	0-10mV, 0-50mV, 0-100mV, 0-0,5V, 0-1V, 0-10V		ON		ON				ON
	-10mV, -50mV, -100mV, 0,5V, -1V, -5V, -20mA	ON		ON					ON
	0-10mV, 0-50mV, 0-100mV, 0-0,5V, 0-1V, 0-10V	ON		ON		ON			ON
-10V	-10mV, -50mV, -100mV, 0,5V, -1V, -5V, -20mA	ON		ON					ON
	0-10mV, 0-50mV, 0-100mV, 0,5V, -1V, -5V, -20mA	ON		ON					ON
	-10mV, -50mV, -100mV, 0,5V, -1V, -5V, -20mA	ON		ON					ON
0-10V	0-10mV, 0-50mV, 0-100mV, 0-0,5V, 0-1V, 0-10V	ON		ON					ON
	-10mV, -50mV, -100mV, 0,5V, -1V, -5V, -20mA	ON		ON					ON
	0-10mV, 0-50mV, 0-100mV, 0-0,5V, 0-1V, 0-10V	ON		ON		ON			ON

Table 2: switch positions of output

Configuration

Figure 1 shows the terminal wiring of MU-UI. Positive power terminals 9 and 7 are internally connected, as are negative terminals 12 and 10. MU-UI uses single 24V=.

Tables 1 and 2 above show the switch positions to configure input and output range. The I/O configuration switches are located inside the module. To reach the switches, you need to remove the DIN-rail bracket by sliding it down.

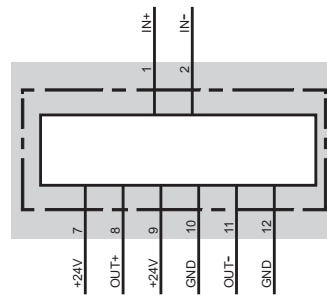


Figure 1. terminal wiring of MU-UI

ordering information

part no	supply	output	relay type	HIQUEL	housing type
MU-UI	24V=	+/-5V, +/-10V, 0-10V, 0-20mA	-	-	I

