

# MU-DMS

## overview



- ◆ isolated strain-gauge to analogue signal transducer
- ◆ supply voltage 24V=
- ◆ high linearity, long term stability
- ◆ high temperature stability
- ◆ selectable output signal
- ◆ adjustment of user specified signals
- ◆ 23mm DIN rail mount housing

Input Range (SW2)					
Range	1	2	3	4	5
+/-10mV	ON				
+/-20mV		ON			
+/-30mV			ON		
+/-50mV				ON	
+/-100mV					ON

Table 1: switch positions of input

Output Range (SW1)								
Range	1	2	3	4	5	6	7	8
+/- 5V	ON		ON					ON
+/- 10V	ON		ON					
0-10V	ON		ON				ON	
0-20mA		ON		ON			ON	

Table 2: switch positions of output

### Configuration

Figure 1 shows the terminal wiring of MU-DMS. Positive power terminals 9 and 7 are internally connected, as are negative terminals 12 and 10. MU-DMS 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.

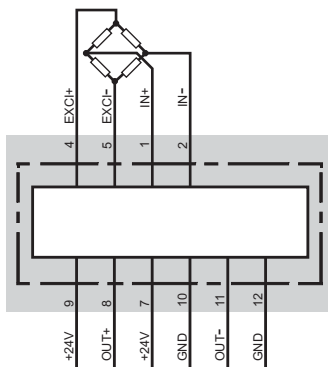


Figure 1. Terminal wiring of MU-DMS

## specification

<b>supply voltage</b>	24V= ± 10%
<b>power consumption</b>	1,85 Watt at voltage output 2,15 Watt at current output
<b>input</b>	+/-10mV, +/-20mV, +/-30mV, +/-50mV, +/-100mV max. 60mA
<b>output</b>	Bipolar +/-5V, +/-10V Unipolar 0-10V 0-20mA 0-500Ohm (load.)
<b>accuracy</b>	+/- 0,1% FSR (typ.)
<b>temperature drift</b>	150ppm typ
<b>screw tightening torque</b>	0,5Nm
<b>operating conditions</b>	-10°C to +70°C non condensing

## ordering information

part no	supply	output	relay type	CS	housing types
MU-DMS	24V= 2W	+/-5V, +/-10V, 0-10V, 0-20mA	-	-	I