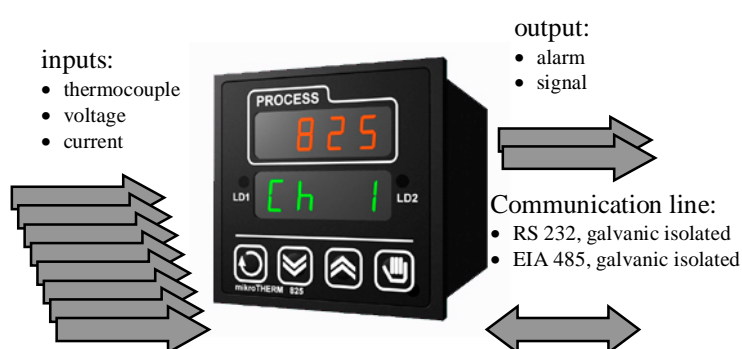


## THERMOPROZESS

## MT825C

- format 1/4 DIN
- accuracy  $\pm 0,1$  %
- internal memory of measured values
- real time clock
- alarm/signal outputs
- communication line
- temperature range of operation 0 to 50 °C
- easy handling
- EŽÚ/CE approvals
- optional - IP65 for front panel
- warranty 36 months



MT825C is a thermocouple/process precise multi – canal datalogger of format 1/4 DIN ( width x height x depth, 96 x 96 x 153 mm) with optional enhancement of communication line or 1-2 alarm-signal relay.

Above all it features with high level of reliability, easy and trouble-free operation with optional communication with superior system. It surpasses the devices of this category with a very good accuracy 0,1 %.

For thermocouple input you can select the type of thermocouple with fixed (0 °C, 50°C) or automatic temperature compensation for each input. In case of process input you can choose the scale of showing for each input individually. Datalogger reads the input data at the rate of 1 input per second.

## Technical parameters

### Indicators and control buttons

- two 4-figure LED displays
- 4 keys
- 3 LED diodes

### Accuracy of measuring inputs

- $\pm 0,1\%$  of range (min. 540 °C),  $\pm 1$  digit at 25°C  $\pm 3$ °C ambient temperature and at  $\pm 10\%$  of supply voltage
- thermal stability  $\pm 0,1$ °C/°C of ambient temperature
- voltage stability  $\pm 0,01\%$ /% of change in supply voltage

### Measuring inputs

Thermocouple (input impedance 20 MW)			
type J	-200	to	900 °C
type K	-200	to	1360 °C
type T	-200	to	400 °C
type N	-200	to	1300 °C
type E	-200	to	700 °C
type R	0	to	1760 °C
type S	0	to	1760 °C
type B	300	to	1820 °C
type C	0	to	2320 °C
type D	0	to	2320 °C
Process voltage (input impedance 10 kW)			
0-5 V dc	-499	to	2499
1-5 V dc	-499	to	2499
0-10 V dc	-499	to	2499
Process current (input impedance 5 W)			
0-20 mA	-499	to	2499
4-20 mA	-499	to	2499

### Outputs

- electromechanical relay, 150Vac/3A or 30Vdc/3A, switching, without RC suppression unit
- series communication line RS 232, galv. isolated
- series communication line EIA 485, galv. isolated

### Description of model

#### MT825 – a b c – d – e f

<b>a:</b>	<b>Modification</b> C = datalogger
<b>b:</b>	<b>Inputs</b> T = thermocouple P = process – voltage N = process – current
<b>c:</b>	<b>number of inputs</b> 2 = 2 inputs 4 = 4 inputs 6 = 6 inputs 8 = 8 inputs
<b>d:</b>	<b>outputs, communication line</b> 0 = none 1 = 1 electromechanical relay 2 = 2 electromechanical relay X = communication line RS 232 A = communication line EIA 485 E = communication line EIA 485 + 1 electromechanical relay
<b>e:</b>	<b>supply voltage</b> 0 = 230 Vac/50Hz A = 12 to 16 V ac or V dc
<b>f:</b>	<b>data storing</b> 0 = without storing 1 = 60 values 2 = 1400 values