

## 592 Dual Display

- 0/4..20 mA, 0..10V inputs
- Pt100 and thermocouples
- Potentiometers

Dual 5 digit field display 592 has 57 mm number height. The bright LED-display is visible up to 25 meters. If you use 592 outdoors a sun shade is recommended.

You can program sensor types by push buttons inside the case (3 keys). 15 bit A/D converter means a resolution 1/32000. Continuous autocalibration ensures excellent long term stability and accuracy. In case of



large values you may set the last numbers to show zero only. F.ex. you can configure display 60.000 kg so that first numbers are significant (60.0) and rest are shown as zeros (null digits).

### Specification:

#### RTDsensors:

Pt100	2-, 3-, or 4 wire connection
Temperature range	-200...+700 °C
Resolution	0.1 or 1 °C
Accuracy	0,05% of FS + 0,1 °C (4-wire.) 0,05% of FS + 0.2 °C. (3-wire)
Error between inputs	max. ±0,1°C.
Lead wire resist. effect:	(3-wire) 0.005%/ohm.
Optional RTD-sensors	Pt500, Pt1000, Ni100, Ni1000

#### Thermocouples:

K (NiCr-Ni)	-100....+1250 °C
J,J/DIN (FeCu-Ni /DIN)	-100....+900 °C
T (Cu-CuNi)	-50.....+350 °C
E (NiCr-CrNi)	-50.....+350 °C
R,S (PtRh-Pt)	0..... +1700 °C
B (PtRh-Pt)	0..... +1800 °C
D (Former W3)	0..... +2300 °C
C (Former W5)	0..... +2490 °C
G (Former W)	1000...+2300 °C
N (NiCrSi-NiSiMg)	-200....+1200 °C
Accuracy	1.5 °C ± 1 digit S,R types 2.5 °C ± 1 digit
Lead wire	< 1000 ohms, no effect
Cold junction effect:	< 0.05 °/°C.

#### Current input 0/4..20 mA:

Display range:	-9999....+99999
Offset	0-99 %
Desimal point	selectable
Input impedance:	50 ohm
Accuracy	0,05 % of FS

#### Voltage inputs:

Scaleable inputs:	-9999....+99999
Input	0..1V, 0..5V, 1..5V, 0..10VDC
mV ranges	20, 50, 500, 1000 mV
Input impedance:	1 Mohm, for 500 and 1000 mV 10 kohm for 25 and 50 mV
Decimal point	selectable
Accuracy	0.05 % of FS.

#### Potentiometer input:

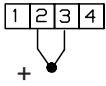
Input range	25....1000 ohm or 2...10 kohm
Scaleable display	-9999..99999
Decimal point	selectable
Accuracy	0.05 % of FS.

### General specification:

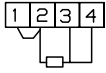
Dual display	5 digits in both displays Bright red LED Digit height 57 mm
Reading distance	approximately 25 meters
Programming	By keys inside the unit
Power supply	115/ 230 VAC, 50 VA
Housing	Black metal
Case protection	IP54
Dimensions	625 x 360 x 130 mm (WxDxH)
Weight	8,4 kg

## Connections:

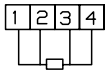
Thermocouple and mV-input:



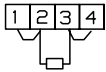
Pt100 3-wire.



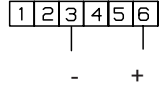
Pt100 4-wire.



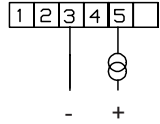
Pt100 2-wire.



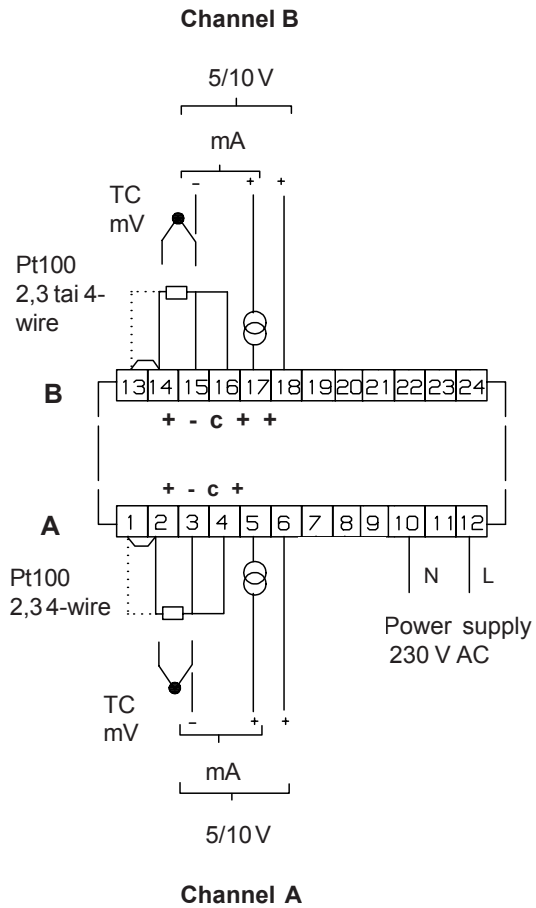
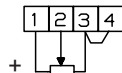
Input: 0/1..5/10VDC:



Current 0/4..20 mA:



Potentiometer:



## Dimensions (mm):

