5. Installation and start-up
1. Open the instrument (see section 7).
2. Select the jumpers for the desired signal range (see section 6).
3. Close the instrument (see section 7).
4. Connect the signal and the power (see section 5).
5. Configure the instrument from the “Configuration menu” (see section 9).
6. If you need additional information, see section 3.

6. Connections
- Option A2 (relay)
- Option A1 (relay)
- Option A3 (4/20 mA)
- Option B1 (Modbus RTU)
- Jumper ‘S’
- Jumper ‘T’

7. How to open the instrument
1. Enter into the menu “Exit the menu”.
2. Next value “Alarm 1 and 2”.
3. Option 1 (Modbus RTU)
4. Option 2 (Modbus RTU)
5. Option 3 (Modbus RTU)

8. Internal structure and jumpers for range selection
- Thermocouples
- Jumpers 'S'
- Jumpers 'T'
- Jumper 'F'
- Jumper 'E'

- Display module
- Front filter
- Housing
- Internal jumpers

- DC ranges
- AC ranges
- Resistance ranges

- Process signals
- Frequency
- PTC probes family
- NTC probes 'Rt' (configurable)

- Accuracy (FS)
- Current at
- Total error
- Total error (% of reading)

- Option 1 (relay)
- Option 2 (relay)
- Option 3 (Modbus RTU)
9. Configuration menu

Press 'SQ' for 1 second to access the 'Configuration menu'.

1. Without function.
2. Press to return to a previous level of the menu, discarding changes (to validate changes, use SQ (>).
3. Move through the digits of a numerical parameter.

9. Configuration menu

Press 'SQ' for 1 second to access the 'Configuration menu'.

1. Press to access the 'Configuration menu'.
2. Press to enter into the actual menu entry.
3. Press to accept a value.

Key UP [< ] 1. Press to access the 'Fast access' menu.
2. Press to move through available menu options.
3. Press to increase the value of a numerical parameter.

Key LE [>] 1. Without function.
2. Press to return to a previous level of the menu, discarding changes (to validate changes, use SQ (>).
3. Move through the digits of a numerical parameter.

To save the configuration changes, press key LE [>] until exiting the menu (shown by flashing decimal points). Instrument shows the signal range selected and starts operation with the new configuration.

10. Regulations

This instrument conforms to the actual CE regulations. For a copy of the 'CE declaration of conformity' see section 3. Applicable regulations are:

- Security regulations EN-61010-1 ('E'yeard equipment, 'Permanently connected'.)
- 'Double isolation', 'CAT-II' category)
- Electromagnetic compatibility regulations EN-61326-1

This instrument does not provide a mains switch and will start operation as soon as power is connected. The instrument does not provide protection fuse, and the fuse must be added during installation.

Risk of electrical shock. Instrument terminals can be connected to dangerous voltage.

Instrument protected with double isolation. No earth connection required.

Instrument conforms to CE rules and regulations.

According to directive 2012/19/EU, electronic equipment must be recycled in a selective and controlled way at the end of its useful life.

11. Factory configuration

Range, scaling and decimal point
Alarm 1 as maximum
Setpoint 1000
Hydresis 0 counts
Alarm 2 as maximum
Hysteresis 0 counts
External control off
Fast access Tools
Password off
Average 0
Manual offset 0
Second scaling 0/600
'Eco' mode off
Temperature resolution 0.1º
Degrees 385
Luminosity 3
Alpha 1º resolution
Hysteresis 0 counts
AC 'deadband' 20
Range, scaling and decimal point
0/100 Vac = 0/600
0/500 Vac = 0/1000
0/600 Vac = 0/600
0/20 mA = 0/100 mA
Second scaling 0/600
Alpha 385
Hysteresis 0 counts
1. Press to access the 'Fast access' menu.
2. Press to move through available menu options.
3. Press to increase the value of a numerical parameter.

Front keypad menu operation

Key SQ 1. Press to access the 'Configuration menu'.
2. Press to enter into the actual menu entry.
3. Press to accept a value.

Key UP [< ] 1. Press to access the 'Fast access' menu.
2. Press to move through available menu options.
3. Press to increase the value of a numerical parameter.

Key LE [>] 1. Without function.
2. Press to return to a previous level of the menu, discarding changes (to validate changes, use SQ (>).
3. Move through the digits of a numerical parameter.

To save the configuration changes, press key LE [>] until exiting the menu (shown by flashing decimal points). Instrument shows the signal range selected and starts operation with the new configuration.

12. User's manual

If you need additional information, see section 3 to download the full User's Manual.