USER INSTRUCTIONS
Intelligent, Economy 2-wire Transmitter

MEASURE OF SUCCESS

GENERAL INFORMATION

MinIPAQ-L is a basic, programmable, non-isolated, easy-to-use 2-wire temperature transmitter intended to be used in industrial environment.

The transmitter is configured from a PC via a USB port, connected via the INOR USB Interface, by using the ConSoft program together with the MinIPAQ Soft program.

When the transmitter is set from a PC no calibration is needed. ConSoft is compatible with Windows 2000 (SP3), Windows XP and Windows Vista (32-bit).

All necessary hardware and software for configuration are included in the ICON Configuration Kit, 70CFGUS001.

DATA (shortform)

<table>
<thead>
<tr>
<th>Input</th>
<th>See “Input Connections”</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sensor failure</td>
<td>Upscale, downscale or off</td>
</tr>
<tr>
<td>Adjustments - Zero</td>
<td>Any value within range limits</td>
</tr>
<tr>
<td>Adjustments - Minimum spans</td>
<td></td>
</tr>
<tr>
<td>PT100, PT1000, NI100, NI120, NI1000</td>
<td>10°C / 18°F</td>
</tr>
<tr>
<td>CDTU</td>
<td>100°C / 180°F</td>
</tr>
<tr>
<td>T/C</td>
<td>2 mV</td>
</tr>
<tr>
<td>Output</td>
<td>4-20 mA, temperature linear</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-20 to +70°C / -4 to +158°F</td>
</tr>
<tr>
<td>Galvanic isolation</td>
<td>No</td>
</tr>
<tr>
<td>Power supply</td>
<td>8 to 32 VDC</td>
</tr>
<tr>
<td>Typical accuracy</td>
<td>±0.15 % of temperature span</td>
</tr>
<tr>
<td>Mounting</td>
<td>Rail acc. to DIN EN 50022, 35 mm</td>
</tr>
</tbody>
</table>

Configuration

Guidelines for ConSoft version 1.1.0.2 or higher.

Before making a configuration of MinIPAQ-L you need to do following:

1. Install the drivers for the INOR USB Interface.
2. Install the PC configuration software ConSoft in your PC.
3. Install the PC configuration software MinIPAQ Soft, version 1.24.00 or higher, in your PC.

Please refer to "Installation Guide for ICON", 86BCONF004, for detailed installation instructions. All software and guides are included in the ICON Configuration Kit, 70CFGUS001, and can also be downloaded from the web site www.inor.com.

Configuration procedure:

The help files in ConSoft and MinIPAQ Soft contains complete information about the configuration procedure. Here is a short-form guide:

1. Connect the MinIPAQ-L to the PC via the USB Interface.
2. Start ConSoft and click on the upper left "Read from transmitter" button.
3. In the configuration window you can set the following parameters:
   a. Input (RTD or Thermocouple type)
   b. 3- or 4-wire connection (for RTD input)
   c. Activation of Cold Junction Compensation (for T/C input)
   d. Measuring range in three different engineering units
   e. Upscale or downscale action at sensor break or short-circuit
   f. Compensation for known sensor errors
   g. Activation of a Low pass filter

4. When the transfer is complete, the transmitter begins using the new parameters directly.

www.inor.com, www.inor.se

This product should not be mixed with other kind of scrap, after usage. It should be handled as an electronic/electric device.
It is recommended to check the calibration once a year. Use equipment with an inaccuracy of at least 5 times better than the checked transmitter, e.g. if you are checking a transmitter with an inaccuracy of maximum 0.1% use instrument with an inaccuracy of maximum 0.02%.

Use the MinIPAQ Soft Basic Calibration function in the Options menu, and follow the instructions on the screen.

**DIMENSIONS**

| 17.5/0.69 | 68/2.68 |
| 35/1.38 | 98/3.86 |
| 63/2.48 |

**LIMITED WARRANTY**

INOR Process AB, or any other affiliated company within the Inor Group (hereinafter jointly referred to as “Inor”), hereby warrants that the Product will be free from defects in materials or workmanship for a period of five (5) years from the date of delivery (“Limited Warranty”). This Limited Warranty is limited to repair or replacement at Inor’s option and is effective only for the first end-user of the Product. Upon receipt of a warranty claim, Inor shall respond within a reasonable time period as to its decision concerning:

1. Whether Inor acknowledges its responsibility for any asserted defect in materials or workmanship; and, if so,
2. the appropriate cause of action to be taken (i.e. whether a defective product should be replaced or repaired by Inor).

This Limited Warranty applies only if the Product:

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2. is connected to a proper power supply;
3. is not misused or abused; and
4. there is no evidence of tampering, mishandling, neglect, accidental damage, modification or repair without the approval of Inor or damage done to the Product by anyone other than Inor.

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**MOUNTING**

Mounting of MinIPAQ-L on rail DIN EN 50022, 35 mm.

1. Fix the upper part of the transmitter onto the rail.
2. Press the lower part of the transmitter against the rail.
3. To remove the transmitter, use a screwdriver and bend the locking under the transmitter downwards.

**CALIBRATION**

It is recommended to check the calibration once a year. Use equipment with an inaccuracy of at least 5 times better than the checked transmitter, e.g. if you are checking a transmitter with an inaccuracy of maximum 0.1% use instrument with an inaccuracy of maximum 0.02%.

Use the MinIPAQ Soft Basic Calibration function in the Options menu, and follow the instructions on the screen.

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Product</th>
<th>Code</th>
</tr>
</thead>
<tbody>
<tr>
<td>MinIPAQ-L</td>
<td>70MQL00003</td>
</tr>
<tr>
<td>Configuration</td>
<td>70CAL00001</td>
</tr>
<tr>
<td>ICON Configuration Kit (non-Ex)</td>
<td>70CFG00001</td>
</tr>
</tbody>
</table>