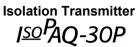
USER INSTRUCTIONS







Read these instructions before using the product and retain for future information

1. Before Startup

When operating the isolating transmitter, certain parts of the module can carry dangerous voltage! Ignoring the warnings can lead to serious injury and/or cause damage!

The isolation transmitter should only be installed and put into operation by gualified staff. The staff must have studied the warnings in these operating instructions thoroughly.

The transmitter may not be put into operation if the housing is open.

In applications with high operating voltages sufficient distance and isolation as well as shock protection must be ensured.

Safe and trouble-free operation of this device can only be guaranteed if transport, storage and installation are carried out correctly and operation an maintenance are carried out with care.



Appropriate safety measures against electrostatic discharge (ESD) should be taken during range selection and assembly on the transmitter.

2. Short description

English

The 3-way isolation transmitter is used for electrical isolation and conversion of 0 - 20 mA, 4 - 20 mA and 0 - 10 V signals. The input and output range can be set by using DIP switch and due to the calibrated range selection no further adjustment is necessary.

The 3-way isolation guarantees reliable decoupling of the sensor circuit from the processing circuit and prevents linked measurement circuits from influencing each other.

3. Functioning

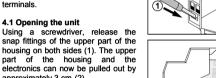
The input signal is modulated and then electrically decoupled using a transformer. The isolated signal is then made available at the output, demodulated, filtered and amplified.

4. Configuration

4.1 Opening the unit

approximately 3 cm (2).

4.1 Equipment A screwdriver with a width of 2.5 mm is required to open the unit and to connect the wires to the screw clamp terminals



.....**3**

4.3 Settings

Set the input and output ranges with DIP switch (3) as indicated in the following table:

	Input	Output	Switch • = on				n
			1	2	3	4	5
0	0 - 20 mA	0 - 20 mA					
	4 - 20 mA	0 - 20 mA				•	
	0 - 10 V	0 - 20 mA					
	0 - 20 mA	4 - 20 mA			•		
	4 - 20 mA	4 - 20 mA					
	0 - 10 V	4 - 20 mA			•		
	0 - 20 mA	0 - 10 V	•	•			
	4 - 20 mA	0 - 10 V	٠	٠		٠	
	0 - 10 V	0 - 10 V	٠	٠			1
0	= Factory setting						

5. Mounting, electrical connection The isolation transmitter is mounted on standard 35 mm DIN rail

1	Input	+	Current	Warning!
2	Input	-	Current	Do not operate inputs f
3	Input	+	Voltage	current and voltage
4	Input	-	Voltage	simultaneously!
5	Output	+		
6	Output	-		
7	Power supply	≅		
8	Power supply	≅		

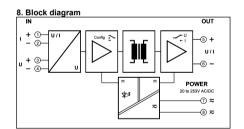
Product	Input / Output	Part No.
IsoPAQ-30P	Calibrated range selection	70ISP30001

7. Technical Data Innut Input signal 0 - 20 mA¹⁾ 4 - 20 mA 0 - 10 V (terminal/switch selectable) Input resistance Current input 22 Ω Voltage input 1 MO Overload Current input ≤ 200 mA Voltage input Voltage limitation via 30 V Z-Diode max. continuous current 30 mA Output Output signal 0 - 20 mA¹⁾ 4 - 20 mA 0 - 10 V (switch selectable I oad Current output $\leq 500 \Omega$ Voltage output $\leq 1 \text{ k}\Omega$ Offect \pm 20 μA / \pm 10 mV Ripple < 20 mV.... General data Transmission error + 0.3 % of measured value Temperature coefficient2) ± 0,015 %/K of end value Cut-off frequency (-3 dB) Approx, 1 kHz Test voltage 2.5 kV 50 Hz Input against output against power supply Working voltage 600 V AC/DC for overvoltage category II and (Basic insulation) contamination class 2 acc. to EN 61010 part 1 Ambient temperature Operation - 10 °C to + 60 °C (+14 to +140 °F) Transport - 20 °C to + 80 °C (-4 to +176 °E) and storage Power supply 20 to 253 V AC/DC AC 48 ... 62 Hz, approx. 3 VA DC approx. 1,5 W EMC4) EN 61326 -1 Construction 12,5 mm (0.5") housing, protection type: IP 20 Connection ≤ 2.5 mm², AWG 14 Weight Approx, 100 a 1) factory setting

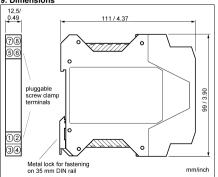
Average TC in specified operating temperature range 2)

3) As far as relevant the standards and rules mentioned above are considered by development and production of our devices. In addition relevant assembly rules are to be considered by installation of our devices in other equipments. For applications with high working voltages, take measures to prevent accidental contact and make sure that there is sufficient distance or insulation between adjacent situated devices.

Minor deviations possible during interference



9. Dimensions



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 concernina:

- 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: 1. is installed according to the instructions furnished by

- Inor[.]
- 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.

This Limited Warranty is provided by Inor and contains the only express warranty provided.

INOR SPECIFICALLY DISCLAIMS ANY EXPRESS WARRANTY NOT PROVIDED HEREIN AND ANY IMPLIED WARRANTY, GUARANTEE OR REPRESENTATION AS TO SUITABILITY FOR ANY PARTICULAR PURPOSE PERFORMANCE QUALITY AND ABSENCE OF ANY HIDDEN DEFECTS. AND ANY REMEDY FOR BREACH OF CONTRACT. WHICH BUT FOR THIS PROVISION, MIGHT ARISE BY IMPLICATION. OPERATION OF LAW. CUSTOM OF TRADE OR COURSE OF DEALING. INCLUDING IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. EXCEPT AS PROVIDED HEREIN, INOR FURTHER DISCLAIMS ANY RESPONSIBILITY FOR LOSSES, EXPENSES, INCONVENIENCES, SPECIAL, DIRECT, SECONDARY OR CONSEQUENTIAL DAMAGES ARISING FROM OWNERSHIP OR USE OF THE PRODUCT.

Products that are covered by the Limited Warranty will either be repaired or replaced at the option of Inor. Customer pays freight to Inor, and Inor will pay the return freight by post or other "normal" way of transport. If any other type of return freight is requested, customer pays the whole return cost.

INOR Process AB PO Box 9125 200 39 MAI MÖ SWEDEN

Phone:	+46 40 31 25 60		
Fax:	+46 40 31 25 70		
E-mail:	support@inor.se		
Internet:	www.inor.com		