

## "Taking Your Pressure To a Higher Level"



### ITC 500

Industrial Level & Temperature Controller

Process Display C/W  
2 Contact Relays and  
Analog Output (4-20 mA)  
+24 VDC Power Supply

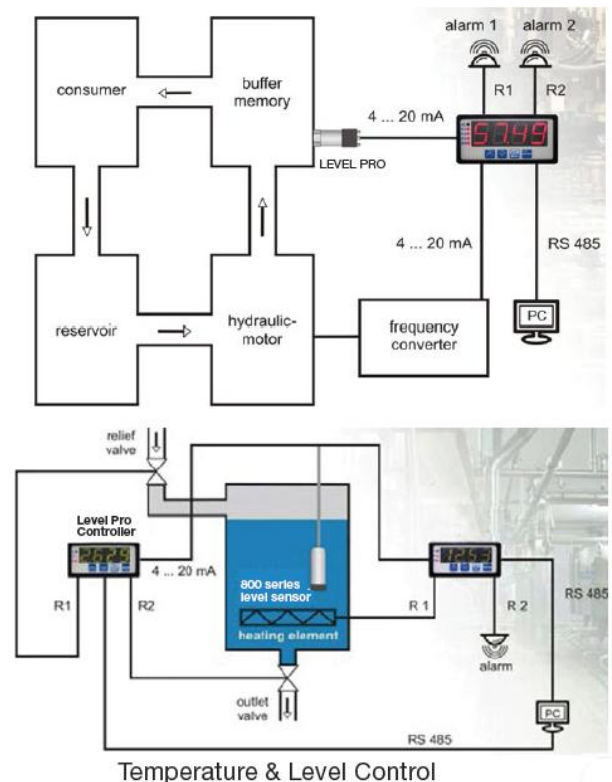
#### Features

- ▶ Large Bright LED Display
- ▶ Switch Mode, Hysteresis
- ▶ Deceleration of Relay Outputs
- ▶ Display Brightness and Adjustable Filter
- ▶ Adjusted Analogue Output 4 - 20 mA
- ▶ Acoustic Signal (beep)
- ▶ Input Signal 4 - 20 mA
- ▶ 4-digit LED Display
- ▶ Transducer Supply 24 VDC
- ▶ Communication Interface RS-485 (Modbus RTU)
- ▶ 2 Configurable Relays (1 amp)
- ▶ 4-20mA Output
- ▶ NEMA 4X Cover

#### Typical application



Combined level and temperature measurement in heated tank



\* Check chemical resistance

PROCESS DISPLAY	
<b>Supply</b>	
Supply voltage	standard: 85 ... 260 V <sub>AC</sub> or V <sub>DC</sub>
Power consumption	max. 4.5 VA or W
<b>Signal input</b>	
Input signal	standard 0/4 - 20 mA
<b>Contacts (optional)</b>	
Contact	2 SPST - relay
Switching voltage	max. 250 V <sub>AC</sub>
Switching current	max. 1 A (cos φ 1)
<b>Analogue output (optional)</b>	
Output signal	4 - 20 mA
Permissible load	max. 700 Ω
<b>Transducer supply</b>	
DC	24 V <sub>DC</sub>
<b>Communication / Performance</b>	
Communication interface	RS-485 (Modbus RTU)
Transmission speed	1200 - 115200 bit/sec.
<b>Permissible Temperatures</b>	
Operating temperature	-20 -50 °C      -4 °F -122 °F
Storage temperature	-20 -70 °C      -4 °F -158 °F
<b>Electrical Protection</b>	
Electrical safety	EN 61010-1
EMC	EN 61326
<b>Miscellaneous</b>	
Type of protection	IP 65 (front foil)
Display	4-digit LED display, red, 4 x 20 mm
Range of indication	- 999 ... 9999 + decimal point / temperature range: -100 ... 600 °C
Accuracy (25 °C)	± 0.1 % FSO
Housing dimensions	96x 48 x 98 mm
Housing	panel
Housing material	NORYL-GFN2S E1

ORDERING CODE ITC 500	
ITC 500	□ - □ - □ - □□□□ - □□□□
<b>Input type</b>	
0/4 ... 20mA	1
<b>Output</b>	
2 Relay Outputs + Analogue Output 4 - 20 mA	2
<b>Supply</b>	
85 ... 260 V <sub>AC</sub> / V <sub>DC</sub>	1

***"Taking Your Pressure To a Higher Level"***