

"Taking Your Pressure To a Higher Level"



ITC 450

Industrial Controller

Level or Temperature Process Display/Controller with 2 Contact Relays +24 VDC Power Supply

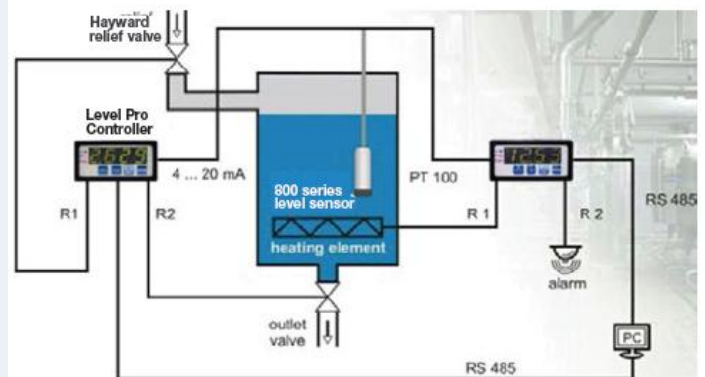
Features

- ▶ Large Bright LED Display
- ▶ Display Brightness and Adjustable Filter
- ▶ Input Signal 4 - 20 mA
- ▶ 4-digit LED Display
- ▶ Communication Interface RS-485 (Modbus RTU)
- ▶ Gallons, liters, inches, feet, %
- ▶ 2 Contact Relays (1 amp)
- ▶ Easy to Program
- ▶ NEMA 4X Faceplate
- ▶ Internal Sensor Power Supply 24 VDC
- ▶ Non-Volatile Memory
- ▶ Security Password Protection

Typical application



Combined level and temperature measurement in heated tank



PROCESS DISPLAY	
Supply	
Supply voltage	Standard: 85 ... 260 V _{AC} or V _{DC}
Power consumption	Max. 4.5 VA or W
Signal input	
Input signal	Standard 0/4 - 20 mA
Contacts (optional)	
Contact	2 SPST - relay
Switching voltage	Max. 250 V _{AC}
Switching current	Max. 1 A (cos φ 1)
Transducer supply	
DC	24 V _{DC} + 5%, -10%, max 100 mA
Communication / Performance	
Communication interface	RS-485 (Modbus RTU)
Transmission speed	1200 - 115200 bit/sec.
Permissible Temperatures	
Operating temperature	-20 -50 °C -4 °F -122 °F
Storage temperature	-20 -70 °C -4 °F -158 °F
Electrical Protection	
Electrical safety	EN 61010-1
EMC	EN 61326
Miscellaneous	
Type of protection	IP 65 (front foil) NEMA 4X
Display	4-digit LED display, red/green, 4 x 13 mm
Range of indication	- 999 ... 9999 + decimal point / temperature range: -100 ... 600 °C
Accuracy (25 °C)	± 0.1 % FSO Tolerance band (0... 50 °C): max 0.25% FSO
Housing dimensions	72 x 36 x 95 mm
Housing	panel
Housing material	NORYL-GFN2S E1
CE -conformity	EMC Directive: 2004/108 /WE

ORDERING CODE ITC 450	
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Input type	
0/4 ... 20mA	1
Output	
2 SPST Relay	2
Supply	
85 ... 260 V _{AC} /V _{DC}	1