BD|SENSORS
pressure measurement

CIT 600

Multichannel Process Display with Contacts

Functional range

► data and configuration transfer via RS 485

► adjustable contrast and illumination of the display

► programmable display filter

► parameterizable under-run and exceeding range alarms

► software for parameterization display

Product characteristics

► 2, 4 or 8 input ports

► input signal: 0/4 … 20 mA

► 2 contacts

► graphic LC display

► transducer supply 24 VDC

► communication interface RS 485 (Modbus RTU)

► front panel housing 96 x 96 mm

Optional versions

► input signal Pt100/Pt500/Pt1000
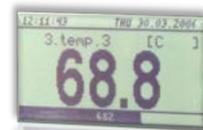
Display modes

► simultaneous display of max. 8 ports with scalable measured value and unit or standardized measured value and bargraph

► online course display of one port in the diagram with scalable measured value, bargraph and unit (timeline of the measured value course from 12 sec up to 8 h scalable)

► single port display with scalable and standardized measured value, bargraph and unit

Supply	
Supply voltage	standard: 85 … 260 V_{AC} or V_{DC} option: 16 … 35 V_{AC} / 19 … 50 V_{DC}
Power consumption	7 VA, max. 12 VA

Signal input	
Number	2, 4 or 8 inputs
Input signal	standard: 0/4 … 20 mA option: PT100 / PT500 / PT1000
Measuring range	current inputs: ± 9999 temperature inputs: -100 … 600 °C

Transmitter supply	
DC	current inputs: 24 V_{DC} ± 5% max. 200 mA temperature inputs: max. 50 mA

Contacts	
Contact	2 independent relay outputs
Switching voltage	max. 24 V_{AC}
Switching current	max. 200 mA (cos φ 1)

Communication / Performance	
Communication interface	RS-485 (Modbus RTU, galvanically separated)
Transmission speed	1200 - 115200 bit/sec.

Permissible temperatures	
Operating temperature	0 … 50 °C
Storage temperature	-10 … 70 °C

Electrical protection	
Electrical safety	EN 61010-1
EMC	EN 61326

Miscellaneous		
Type of protection	IP 65 (front foil), IP 20 (housing, connectors)	
Display	LCD, 128 x 64 points, with backlight	
Accuracy (25 °C)	± 0.1 % FSO	tolerance band (0 … 50 °C): max. 0.25 % FSO
Housing dimensions	96 x 96 x 98 mm	
Housing / housing material	panel / NORYL-GFN2S E1	

Mechanical connection (dimensions in mm)

mounting hole dimensions

dimensions of brackets and connectors

Accessoires	
Software S-Toolkit	S-Toolkit Program for the complete configuration of CIT 600. The data are imported via USB removable medium or via RS-485 interface. This software is included in scope of supply.
Lockable, transparent door	
Converter RS 485 / USB	

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Ordering code CIT 600

CIT 600 - ☐ - ☐ - ☐ - ☐ - ☐☐☐ - ☐☐☐

Version								
2 analogue input signals	2							
4 analogue input signals	4							
8 analogue input signals	8							
Input type								
0/4 … 20 mA		1						
Pt100 , Pt500, Pt1000		2						
Supply								
standard: 85 … 260 V$_{AC}$ / V$_{DC}$			1					
16 … 35 V$_{AC}$ / 19 … 50 V$_{DC}$			2					
Contacts								
2 OC relais outputs				1				
Display foil								
neutral					1 0 0			
customer					9 9 9			consult
Special version								
standard						0 0 0		
customer						9 9 9		consult
accessories								
lockable, transparent door							Z900002	
Converter RS-485 / USB							CM-3	

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