

CIT 200

Process Display



Functional range

- ▶ free scalable display
- ▶ four characteristic curve functions selectable (linear, square, square root or user defined)
- ▶ display brightness and filter adjustable
- ▶ programming via infrared remote control

Product characteristics

- ▶ input 0/4 ... 20 mA, 0/1/2 ... 5/10 V
- ▶ 4-digit LED display
- ▶ interface RS-485 (Modbus RTU)
- ▶ front panel housing 72 x 36 mm

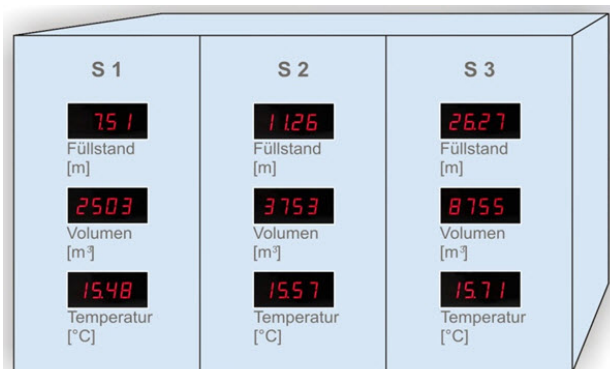
Optional versions

- ▶ input Pt100 / Pt500 / Pt1000

Typical application



display panel for silo battery



Modbus

Supply	
Supply voltage / power consumption	10 ... 30 V _{DC} (not isolated from signal input) / max. 1 W 110 V _{AC} ± 10 % (isolated from signal input) / max. 1,5 VA 230 V _{AC} ± 10 % (isolated from signal input) / max. 1,5 VA
Signal input	
Input signal	0/4 ... 20 mA, 0/1 ... 5 V, 0/2 ... 10 V PT100 / PT500 / PT1000
Accuracy (25 °C)	± 0.1 % FSO, stability: 50 ppm/°C
Display	
Display	LED, red, 4 x 13 mm
Display range	0/4 ... 20 mA, 0/1 ... 5 V, 0/2 ... 10 V: - 999 ... 9999 + decimal point Pt100 / Pt500 / Pt1000: -100,0 ... 600,0 °C
Communication	
Communication interface	RS-485 (Modbus RTU), 8N1/8N2, 1200 – 115200 bit/s
Ingress protection	
Standard	IP 40 (front side), IP 20 (case and connectors)
Option	IP 65 (front side with additional sealing frame for panel cut-out), IP 20 (case and connectors)
Permissible temperatures	
Standard	environment: 0 ... 50 °C, storage: -10 ... 70 °C
Option	environment: -20 ... 50 °C, storage: -20 ... 70 °C
Electrical Protection	
Electrical safety	EN 61010-1
EMC	EN 61326-1
CE-conformity	EMC Directive: 2014/30/EU
Housing	
Housing type / dimensions	10 ... 30 V _{DC} : front panel mounting / 72 x 36 x 86 mm 110 V _{AC} : front panel mounting / 72 x 36 x 103 mm 230 V _{AC} : front panel mounting / 72 x 36 x 103 mm
Material	NORYL UL94V-0
Weight	approx. 175 g
Dimensions	
Accessories	
Infrared remote control IR 1 Enables setting of CIT 200. Material number: IR1-1	

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Ordering code CIT 200

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Input type			
0/4 ... 20 mA, 0/1 ... 5 V, 0/2 ... 10 V	8		
Pt100, Pt500, Pt1000	3		
Supply			
10 ... 30 VDC	1		
230 VAC	2		
110 VAC	8		
Special version			
standard	0	0	0
sealing frame IP65	0	1	0
operating temperature -20°C...50°C	0	8	0
IP65 + operating temp. -20...50°C	0	P	0
customer	9	9	9

consult

Accessories	
infrared remote control IR 1	IR 1-1