



# CIT 350

## Process Display with Contacts and Analogue Output

### Functional range

- ▶ free scalable display
- ▶ five characteristic curve functions selectable (linear, square, square root, user defined or tank volume)
- ▶ switching mode, hysteresis, timing of contacts settable
- ▶ display brightness and filter adjustable
- ▶ acoustic signal

### Product characteristics

- ▶ input 0/4 ... 20 mA, 0/1/2 ... 5/10 V
- ▶ 4-digit LED display
- ▶ transducer supply 24 V<sub>DC</sub>
- ▶ interface RS-485 (Modbus RTU)
- ▶ front panel housing 48 x 96 mm

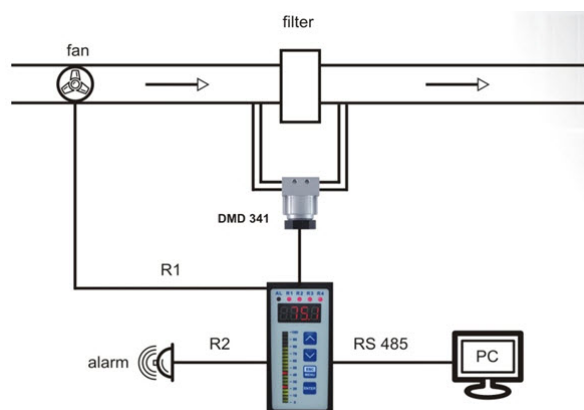
### Optional versions

- ▶ output 2/4 relay / OC
- ▶ output 4 ... 20 mA / 0 ... 10 V

### Typical application



filter controlling



Modbus

<b>Supply</b>	
Supply voltage / power consumption	85 ... 260 V <sub>AC</sub> / V <sub>DC</sub> / max. 6,5 W 16 ... 35 V <sub>AC</sub> / 19 ... 50 V <sub>DC</sub> / max. 6,5 VA
Transducer supply	24 V <sub>DC</sub> + 5%, - 10%, max. 100 mA
<b>Signal input</b>	
Input signal	0/4 ... 20 mA, 0/1 ... 5 V, 0/2 ... 10 V
Accuracy (25 °C)	± 0,1 % FSO, stability: 50 ppm/°C
<b>Contacts</b>	
Contact	2/4 SPST relay, max. 30 V <sub>DC</sub> / 250 V <sub>AC</sub> , max. 1 A (cos φ 1) 2/4 OC, max. 30 V <sub>DC</sub> , max. 30 mA (cos φ 1), max. 100mW
<b>Analogue output</b>	
Output signal / load <sup>1</sup>	0/4 ... 20 mA active / max. 700 Ω 4 ... 20 mA passive / max. 600 Ω (24V DC) 0/1 ... 5 V, 0/2 ... 10 V active / min. 2000 Ω
<sup>1</sup> analogue output only with 2 contacts	
<b>Display</b>	
Display	LED, red, 4 x 9 mm + bargraph, red/green, 20 points
Display range	0/4 ... 20 mA, 0/1 ... 5 V, 0/2 ... 10 V: - 999 ... 9999 + decimal point
<b>Communication</b>	
Communication interface	RS-485 (Modbus RTU), 8N1/8N2, 1200 – 115200 bit/s
<b>Ingress protection</b>	
Standard	IP 65 (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)
<b>Permissible temperatures</b>	
Standard	environment: 0 ... 50 °C, storage: -10 ... 70 °C
Option	environment: -20 ... 50 °C, storage: -20 ... 70 °C
<b>Electrical protection</b>	
Electrical safety	EN 61010-1
EMC	EN 61326-1
CE-conformity	EMC Directive: 2014/30/EU
<b>Housing</b>	
Housing type / dimensions	front panel mounting / 48 x 96 x 107 mm
Material	NORYL-GFN2S E1
Weight	approx. 220 g
<b>Dimensions</b>	
<b>Accessories</b>	
<p>Hat rail adapter for front panel housing 96 mm</p> <p>Enables mounting on a hat rail TS35.</p> <p>Material number Z900030</p>	

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## Ordering code CIT 350

CIT 350 -     -  -  -

<b>Input type</b>			
0/4 ... 20 mA, 0/1 ... 5 V, 0/2 ... 10 V	8		
<b>Number of outputs</b>			
without	0		
2	2		
3	3		
4	4		
<b>Output type</b>			
without	0		
2x / 4x SPST relay	1		
2x / 4x Open collector	2		
2x SPST relay + 1x 0/4...20 mA active	3		
2x Open collector + 1x 0/4...20 mA active	4		
2x SPST relay + 1x 4...20 mA passive	9		
2x Open collector + 1x 4...20 mA passive	A		
2x SPST relay + 1x 0/1...5 V, 0/2...10V	B		
2x Open collector + 1x 0/1...5 V, 0/2...10V	C		
<b>Supply</b>			
16...35 VAC / 19...50 VDC		3	
85...260 VAC / VDC		4	
<b>Special version</b>			
standard		0	0
sealing frame IP65		0	1
operating temperature -20°C...50°C		0	8
IP65 + operating temp. -20...50°C		0	P
customer		9	9
			consult
<b>Accessories</b>			
hat rail adapter 96 mm		Z900030	

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01.01.2022