







5531B

- -4 digit 1/8 DIN (48 x 96 mm) loop-powered LCD display
- Easy push-button configuration
- Backlit LCD display is readable in low light conditions
- Display can be mounted in the safe area or in I.S. / Ex zone













Application

- The 5531 indicator is powered by the 4 to 20 mA current loop and is easily scaled to display the correct process value.
- · Because it does not require separate power wiring, the 5531 is perfect for remote display of process loops.
- The 5531B can be mounted in Ex Zone 1.

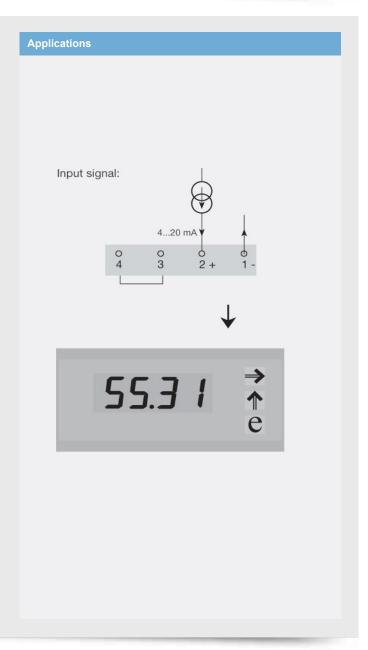
Technical characteristics

- With a full measurement range of 3.6 to 23 mA, the 5531 is NAMUR NE43 compliant.
- The display can be push-button scaled to any range between -9999 to 9999, and reverse display action is possible.
- The LCD backlight can be set to half or full intensity for easy viewing in low light conditions.
- The display only requires 1.5 VDC, (75 Ω loop load), with the backlight turned off.
- · The input is HART transparent.
- The front push-buttons can be disabled to prevent unauthorized adjustment.

Mounting / installation

• Once panel mounted with the included gasket, the 5531 provides IP65 ingress protection.

· Not suitable for new installations requiring certification to the latest ATEX standards - see ATEX certificate KEMA 05ATEX1105X and Declaration of conformity for details.



Order

Туре	Version	
5531B	Zone 1, 2	

Environmental Conditions

Mechanical specifications					
Protection degree	IP65, from front				
Relative humidity	< 95% RH (non-cond.)				
Calibration temperature	2028°C				
Storage temperature	-20°C to +60°C				
Operating temperature	-20°C to +60°C				

Common specifications

Response time

 Response time (0...90%, 100...10%)
 < 1 s</td>

 EMC immunity influence
 < ±0.5% of span</td>

 Signal / noise ratio
 > 60 dB

 Updating time
 500 ms

Input specifications

Current input

Output specifications

Display	
Display readout	± 9999 (4 digits)
Digit height	16 mm

Observed authority requirements

EMC	2014/30/EU
RoHS	2011/65/EU
FAC.	TR-CU 020/201

Approvals

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ATEX	KEMA 05ATEX1044 X
	(5531A/B1)
ATEX	KEMA 05ATEX1105 X
	(5531B/B2)
FAC Fx	FAFU KZ 7500361 01 01 08756