Senseca Germany GmbH
Tenter Weg 2-8 | 42897 Remscheid | GERMANY
Phone +49 2191 9672-0 | info(at)senseca.com

Produktinformation

Display GIA 0420 N

- **Self-supplying, no additional auxiliary supply necessary**
- **Freely scalable**
- **Integrated self-diagnostic**

Characteristics

The GIA 0420 is a microprocessor-controlled displaying device for 4..20 mA standard signals.

Any transmitter (with 4..20 mA output) can be connected to the device. The range adjustment of the GIA 0420 to the transmitter is done by entering the initial and final value and the decimal point position. No additional auxiliaries are needed for this adjustment, but the three buttons on the back side of the device.

The GIA 0420 doesn't need a separate auxiliary supply but is directly supplied by the measuring current. It has an integrated self-diagnostic which checks the device that it works correctly. This self-diagnostic together with the transmitter's check for “sensor break” and “sensor short circuit” and range exceeding or falling below ensures an optimum of operational reliability.

Technical data

Measuring input

Input signal	:	4..20 mA (2-wire)
Accuracy	:	± 0.2 % FS ±1 digit
Measuring rate	:	5 measurements / seconds
Voltage load	:	3,5 V
Power supply	:	self-supplying: devices is supplied directly from measuring current
Working temperature	:	0..50 °C
Filter	:	adjustable in in 3 stages
Switching output	:	1x electrically isolated open collector switching output
Storage	:	min- / max-memory via buttons

Display

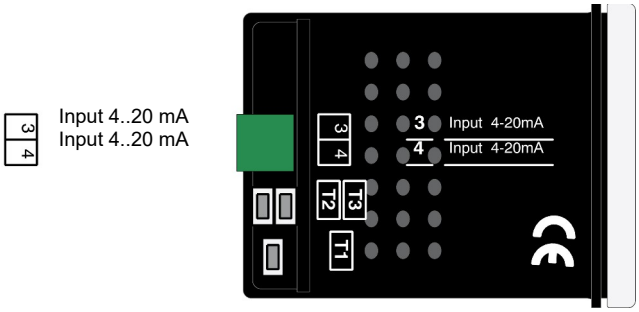
Display	:	LCD display
Height	:	10 mm
Display range	:	-1999..+9999 digit initial and final value adjustable

Connection	:	2-pole screw / clamp terminals, max. cross section up to 1.5 mm²
Housing	:	fibre-reinforced Noryl, front screen made of polycarbonate
Protection class	:	front IP54

Dimensions

Housing	:	24 x 48 x 65 mm (H x W x D)
Panel cutout	:	21.7 x 45 mm [±0.5 mm] (H x W)

Connection diagram



Design type

010N	Input signal: 0..20 V (3-wire) Input resistance: approx. 100 kOhm Power supply: 12..28 V, < 10 mA
ex	with ATEX protection for explosive areas

Ordering code

GIA [1.] - [2.]

1.	**Design type**	
	0420N	Display 0..20 mA
	010N	Display 0..10 V
	0420N-ex	Display 0..20 mA with Ex-protection
	010N-ex	Display 0..10 V with Ex-protection
2.	**Option**	
	00	without option