

μ P-display with freely adjustable scale**GIA 0420 N / GIA 010 N****GIA 0420 N**

Display without auxiliary energy, input 4-20 mA

GIA 010 N

Display, input 0-10 V

GIA 0420 N - ex

Display, input 4-20 mA, with EX-protection for all potentially explosive atmospheres

Ex qualification: II 2G Ex ia/ib IIC/IIB T4(Further Information please refer to our Homepage www.greisinger.de)**GIA 010 N - ex**

Display, input 0-10 V, with EX-protection for all potentially explosive atmospheres

Ex qualification: II 2G Ex ia/ib IIC/IIB T4(Further Information please refer to our Homepage www.greisinger.de)

- time-saving on-site scaling without any additional auxiliary modules
- simple device identification by means of insertion film.
- optimum operational reliability due to integrated self-diagnosis function and watchdog system.
- large display range from -1999 to +9999 digits
- high accuracy combined with minimum temperature drift due to integrated self-calibration
- smallest housing dimensions possible
- monitoring of probe damage, probe short-circuit, values no longer within measuring range.
- software filter for clear display even in case of encoder signal interference (can be switched on and off)

Specification:

	GIA 0420 N ..	GIA 010 N ..
Input signal:	4 ... 20 mA 2-wire	0 ... 10 V 3-wire
Voltage load:	approx. 3,5 V	-
Input resistance:	-	approx. 100 kOhm
max. input:	25 mA	15 V
Power supply:	-	12 - 28 V DC
Power consumption:	aus Stromschleife	< 10 mA
Display:	LCD display, approx. 10 mm high	
Display range:	-1999 bis +9999	
Decimal point:	any position selectable	
Scaling:	scale freely adjustable via 3 keys at the back side of the unit	
Accuracy:	< 0,2% FS \pm 1 Digit (at 25 °C)	
Temperature drift:	< 100 ppm / K	
Meas. rate:	approx. 5 measurements / sec.	
Filter:	adjustable: 0,1 ... 2,0; off	
Storage:	min- / max-value memory	
Switching output:	electrically isolated open collector	
Switching capacity:	28V DC / 50 mA	
Working temp.:	-20 to 50 °C	
Storage temp.:	-20 to 70 °C	
Electric connection:		
GIA 0420 N ..	2 x 2-pin screw-type/plug-in terminal max. terminal range up to 1.5 mm ²	
GIA 010 N ..	1 x 2-pin., 1 x 3-in. screw-type/plug-in terminal, max. terminal range up to 1.5 mm ²	
Housing:	fibre-reinforced Noryl	
Front screen:	polycarbonate	
Dimensions:	24 x 48 mm (H x W, front dimensions)	
panel cutout:	21.7 ^{+0.5} x 45 ^{+0.5} mm (H x W)	
mounting depth:	approx. 65 mm incl. terminal	
Protection rating:	IP54 (IP65 by means of additional optional silicone O-rings, GGD2448SET)	