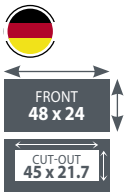
µP-DISPLAY WITH FREELY ADJUSTABLE SCALE



HIGHLIGHTS:

- time-saving on-site scaling without any additional auxiliary modules
- large display range from -1999 to +9999 digits
- smallest housing dimensions possible
- monitoring of probe damage, probe short-circuit, values no longer within measuring range.
- measurands: Moisture, pH, Redox, Oxygen, Conductivity, Gas, Temperature, Pressure, Distance, Revolutional Speed, Flow rate, Flow, Fill level, Power

GIA 0420 N

Art. no. 601026

µP-display with freely adjustable scale, without auxiliary energy, design type 4 ... 20 mA

GIA 010 N

Art. no. 601031

µP-display with freely adjustable scale, design type 0 ... 10 V

Specifications:	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:	from current loop	<10 mA
Display:	LCD display, approx. 10 mm high	
Display range:	-1999 ... +9999	
Decimal point:	any position selectable	
Scaling:	scale freely adjustable via 3 keys at the back side of the unit	
Accuracy:	<0.2 % FS ±1 digit (at 25 °C)	
Temperature drift:	<100 ppm / K	
Measuring rate:	approx. 5 measurements / s	
Filter:	adjustable: 0.1 ... 2.0; off	
Storage:	min- / max-value memory selectable via button	
Switching output:	electrically isolated open collector	
Switching capacity:	28 V DC / 50 mA	
Working temperature:	-20 ... +50 °C	
Storage temperature:	-20 ... +70 °C	
Electric connection:	**GIA 0420 N ..:** 2 x 2-pin screw-type/plug-in terminal max. terminal range up to 1.5 mm² **GIA 010 N ..:** 1 x 2-pin., 1 x 3-pin. screw-type/plug-in terminal, max. terminal range up to 1.5 mm²	
Protection rating:	IP 20, with front flush installation IP 54	
Housing:	fibre-reinforced Noryl, front panel: polycarbonate	
Dimensions:	48 x 24 mm (B x H, front dimensions)	
Mounting depth:	approx. 65 mm incl. terminal	
Panel cutout:	$45^{+0,5}$ x $21,7^{+0,5}$ mm (W x H)	
Scope of supply:	Device, manual	

GIA 0420 N-EX

Art. no. 601033

Display, design type 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

Art. no. 601034

Display, design type 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)

Ex-design types:

Ex protection: Ex II 2 G Ex ia IIC T4
EC type examination: BVS 11 ATEX 1 333 X

Connection data:
U_{max}: 28 V
I_{max}: 100 mA
P_{max}: 1.2 W (for GIA 0420 N-EX) or 0.95 W (for GIA 010 N-EX)

max. effective internal capacitance:
Ci = 13 nF (for GIA 0420 ...) or 26 nF (for GIA 010 ...)
additionally for the switching output: Ci = 4.5 nF
max. effective internal inductance: negligible small

Please keep in mind for the circuit of the optionally available switching output that the wiring has to be done from the same intrinsically safe circuit as the measuring signal!