

Self-supplying plug-in display for measuring transducer without auxiliary energy source



DEVICE WILL TAP FROM
4 TO 20 mA LOOP CURRENT



CAN BE TURNED TO ANY POSITION

- scale freely adjustable ,on site' within seconds, no auxiliary devices required (GIA 0420 ...)
- Also available for 0-10 V (auxiliary energy needed) (GIA 010 ...)
- large display range from -1999 to 9999 digit.
- maximum accuracy and minimum temperature drift
- large, 10 mm high LCD
- monitoring for probe damage, probe short circuit, values above/below permissible limit
- steady display even if transmitter signal is disturbed: due to software filters (can be switched on/off)

GIA 0420 VO

plug-in display without buttons, 4-20 mA

GIA 0420 VOT

plug-in display with buttons, 4-20 mA

GIA 010 VOT

plug-in display with buttons, 0-10 V

Specification:	GIA 0420	GIA 010
Input signal:	4 - 20 mA (2-wire)	0 - 10 V (3-wire)
Spannungslast:	approx. 2 V (approx. 3.5 V at ...-ex)	-
Input resistance:	-	approx. 100 kOhm
Supply voltage:	-	12 - 28 V DC
Supply current:	from current loop	< 10 mA
Accuracy:	± 0.2% FS ±1 digit (at nominal temperature = 25 °C)	
Display:	10 mm high LCD	
Display range:	-1999 ... +9999	
Decimal point:	any position	
Scale:	freely adjustable via 3 buttons (for „VO“: accessible after cover has been removed)	
Measuring rate:	approx. 5 measurements / s	
Filter:	adjustable	
Limit:	3 limit functions selectable:	
LI 0:	Values above/below range permissible	
LI 1:	Values above/below range not permissible	
LI 2:	When range is exceeded, the referring rail will be displayed	
Switching outputs: (only devices with option S1 or S2)		
- S1:	1 electrically isolated open collector outputs	
- S2:	2 electrically isolated open collector outputs, connection via separate M8 jack	
Switching point, switching hysteresis:	freely adjustable	
max. switching voltage:	28 V	
max. switching current:	1 A (option S1: 20 mA)	
Reaction time:	≤ 250 ms	
Min./Max. value memory:	memorizing of max. and min. values.	
Operation, Configuration:	via 3 keys	
Working conditions:	-25 ... +50 °C / 0 ... 80 % RH (non-condensing)	
Electric connection:	special-adaptor design for cubic plug EN 175301-803/A for simple plug-in wherever required. 2 screws (68 and 75 mm) included in scope of supply.	
Housing:	ABS, keypad (resp. transparent panel made of polycarbonate) approx. 48.5 x 48.5 x 35.5 mm (H x W x D) without special adapter, approx. 50.5 x 90 x 39.5 mm (H x W x D) with special adapter	
Protection rating:	IP65 (when mounted appropriately)	

GIA 0420 VOT - ex

plug-in display 0-10 V with Ex-protection for all potentially explosive atmospheres
Ex qualification: Ex II 2G Ex ia/ib IIC/IIB T4



GIA 010 VOT - ex

plug-in display 0-10 V with Ex-protection for all potentially explosive atmospheres
Ex qualification: Ex II 2G Ex ia/ib IIC/IIB T4



(Further Information please refer to our Homepage www.greisinger.de or p.r.t. page 68)

Option:

- S1
with 1 electrically isolated switching output
Delivery incl. 1 m connecting cable for connection of switching output
(Option S1 just in combination with Ex-device available)
- S2
with 2 electrically isolated switching outputs
Delivery incl. 1 m connecting cable for connection of both switching outputs
(Option S2 not in combination with Ex-device available)

GIA 0420 WKT

plug-in display with buttons, 4-20 mA

GIA 0420 WKT - ex

plug-in display with Ex-protection for all potentially explosive atmospheres, 4-20 mA



GIA 010 WKT

plug-in display with buttons, 0-10 V

GIA 010 WKT - ex

plug-in display with Ex-protection for all potentially explosive atmospheres, 0-10 V



Specification:

as GIA ... VOT but	
Electric connection:	Connection to any standard signal source (4-20 mA) via 2 m connection cable.
Housing:	with mounting holes can be mounted to any surface.

