

SELF-SUPPLYING PLUG-IN DISPLAY FOR MEASURING TRANSDUCER WITHOUT AUXILIARY ENERGY SOURCE



HIGHLIGHTS:

- Scale freely adjustable, on site within seconds, no auxiliary devices required
- Monitoring for probe damage, probe short circuit, values above/below permissible limit
- Software filters that can be activated/deactivated guarantee stable display even with a sensor signal prone to interference.
- Without auxiliary energy
- Special adapter can be turned to any position
- Display adaptable to 4 positions

**GIA 0420-VO**

Art. no. 601016  
Plug-in display without buttons, 4 ... 20 mA

**GIA 0420-VO-T**

Art. no. 604152  
Plug-in display with buttons, 4 ... 20 mA

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

Variant:

**GIA0420-VO-S2-GE**

Art. no. 608220  
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-VO-T-EX**

Art. no. 601040  
Plug-in display 4 ... 20 mA 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](http://www.greisinger.de))

Variant:

**GIA 0420-VO-T-EX-S1**

Art. no. 476881  
Device with 1 electrically isolated switching output  
(Option S1 just in combination with EX-device available)



**GIA 0420-WK-T**

Art. no. 601653  
Plug-in display with buttons, 4 ... 20 mA

**GIA 0420-WK-T-EX**

Art. no. 601877  
Plug-in display with Ex-protection for all potentially explosive atmospheres, 4 ... 20 mA

Specifications:

as GIA ... VOT but	
<b>Electric connection:</b>	Connection to any standard signal source 4 ... 20 mA or 0 ... 10 V via 2 m connection cable.
<b>Housing:</b>	with mounting holes can be mounted to any surface

