

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:	
Input signal:	4 ... 20 mA (2-wire)
Voltage load:	approx. 2 V, (approx. 3.5 V at ...-EX)
Supply current:	from current loop
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-adapter design for cubic plug EN 175301-803/A for simple plug-in wherever required.
Protection rating:	IP65 (when mounted appropriately)
Housing:	ABS, keypad, transparent panel made of polycarbonate
Dimensions:	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
Scope of supply:	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: II 2G Ex ia/ib IIC/IIB T4
(Further information please refer to our homepage 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
- Electric connection:** Connection to any standard signal source 4 ... 20 mA or 0 ... 10 V via 2 m connection cable.
- Housing:** with mounting holes can be mounted to any surface

