

Self-supplying plug-in display for 4-20 mA measuring transducer no auxiliary energy source required - device will tap from loop current.

GIA 0420 VO



GIA 0420 VOT



GIA 0420 VO without buttons

GIA 0420 VOT with buttons

GIA 0420 VOT - ex



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)

Specification:

Input signal: 4-20 mA (2-wire) (optionally 0 .. 10 V)
Voltage load: approx. 2 V (at ...-ex: approx. 3.5 V)
Accuracy: $\pm 0.2\%$ FS ± 1 digit (at nominal temperature = 25°C)
Display: 10 mm high LCD
Display range: -1999 up to +9999
Decimal point: any position
Scale: freely adjustable via 3 buttons
 (for "VO": accessible after cover has been removed)

Measuring rate: approx. 5 measurements / sec.

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 to +50°C, 0 to 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)

- no auxiliary energy source required - device will tap from 4 to 20 mA loop current.
- scale freely adjustable 'on site' within seconds, no auxiliary devices required
- can be turned to any position, fits in any position regardless of transmitter location
- large display range from -1999 to 9999 Digit.
- maximum accuracy and minimum temperature drift
- large, 10 mm high LCD
- plug-in wherever required and device will be ready! The quickest way possible to get an "on site display" for your 4 to 20 mA measuring transducers.
- 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)

Options:

- **S1** with 1 electrically isolated switching output
Delivery incl. 1m connecting cable for connection of switching output (**Option S2 just in combination with Ex-device available**)

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

GIA 0420 WKT

GIA 0420 WKT - ex

with Ex-protection for all potentially explosive atmospheres

Specification:

as GIA 0420 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.



Option: Input signal 0 ... 10 V (3-wire)

Display with power supply (12 ... 28 V) power consumption: < 10 mA