

Level module conductive



Figure with option rail adapter

GMNV-1C

Level module conductive

General:

This module is used for evaluation of single levels with conductive level sensors. The module can be directly attached to the connection head of the level probes or snap on a hat rail with the optionally available rail adapter.

The GMNV-1C uses 3-wire connection technology and it converts the conducting connection between probe rod and ground to a DC switching signal. This signal can be directly interpreted and processed e.g. by a SPS.

- no additional level device needed at control cabinet
- low installation costs
- little amount of cabling
- high immunity

Specifications:

Electrode connection:	2-wire
Sensitivity:	0.1 / 1 / 10 / 100 kOhm (selectable by jumpers)
Auxiliary voltage:	15 ... 36 V DC
Output:	active output
Output voltage:	auxiliary voltage -10 %
Max. output current:	50 mA (short-circuit proof)
Switching function:	full / empty detector (selectable by jumpers)
Delay:	0.5 s
Working conditions:	-10 ... + 60 °C; 0 ... 95 % RH (non-condensing)
Storage temperature:	-20 ... + 60 °C
Electric connection:	via screw-type terminals
max. wire diameter:	2.5 mm ²
Housing:	plastic
Dimensions:	Ø 44 x 20 mm (incl terminals)
Mounting hole:	Ø 4.5 mm
Mounting distance:	~ 33 mm (suitable for DIN B head)
Weight:	35 g
Scope of supply:	Device, manual

Option:

rail adapter

Limit detector conductive

**GNS 20E-200**

Limit detector conductive 200 mm

GNS 20E-500

Limit detector conductive 500 mm

General:

Conductive measuring principle, suitable for use with aqueous, conducting media. Less suited for low- or non-conducting media and for foaming, adhesive or coating media.

Application:

- full / empty detector in tanks
- overflow protection
- protection against dry running

Specifications:

Sensitivity:	0.1 / 1 / 10 / 100 kOhm (selectable by jumpers)
Auxiliary voltage:	15 ... 36 V DC
Output:	active output
Output voltage:	auxiliary voltage -10 %
Max. output current:	50 mA (short-circuit proof)
Switching function:	full / empty detector (selectable by jumpers)
Delay:	0.5 s
Working conditions:	-10 ... + 60 °C; 0 ... 95 % RH (non-condensing)
Storage temperature:	-20 ... + 60 °C
Pressure max.:	10 bar
Electric connection:	via screw-type terminals
max. wire diameter:	2.5 mm ²
Cable feedthrough:	for cables with diameter 5 - 14 mm
Connection head:	aluminum DIN B head
Dimensions:	approx. 70 x 80 x 100 mm
Thread:	G ½ " (stainless steel)
Protection class:	IP54
Electrode:	stainless steel
Dimensions:	...-200: Ø 4 x 200 mm ...-500: Ø 4 x 500 mm
Total length:	...-200: approx. 230 mm (till thread end) ...-500: approx. 530 mm (till thread end) Electrodes can be shortened.
Scope of supply:	Device, manual