



Safety for Industrial Process

## Physelec Family

# SG

## 6-mm signal conditioner



## Characteristics\*

- Complete range of signal conditioners
- 6.2 mm thick and only 3.1 mm per channel for the two-channel versions
- High accuracy and repeatability < 0.1% of full scale
- Power supply on rail or via connectors
- Simplified configuration by DIP switches or USB using GEORGINSet software
- Diagnostic LED on the front panel for easy maintenance
- Insulation >3KV between input, output, and power supply in accordance with the EN 61140 standard
- Low consumption (0.8 W to 1.2 W)
- Five-year guarantee

\* According to model

## APPLICATIONS

- Water market
- Energy
- Metallurgy
- Cement works
- Chemicals & petrochemicals



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## Physelec Family

### SG 6-mm signal conditioners

#### A complete range

- **GT 45000** programmable by DIP/USB

Temperature transmitter for standard Pt, Ni, KTY and TC sensors, mV and R measurement, and potentiometer

- **GS 75000**

Shunt resistance isolation amplifier / voltages in mV  
Isolation and conversion of low-voltage bipolar and unipolar signals

- **GN 25000**

Isolation amplifier  
Isolation and conversion of standard signals

- **GN 21000**

Signal separator / repeater  
Isolation, conversion and loop powering of standard signals with two outputs

- **GH 11000** (1 channel) and **GH 11020** (2 channels)

Isolator powered by the loop  
Standard signal separation 0(4) ... 20 mA

- **GC 52500**

HART transmitter power supply  
Power supply and isolation of SMART transmitters with HART connection

- **GC 52100**

Transmitter power supply  
Power supply and isolation of two- and three-wire transmitters

- **GB 64000**

Bipolar isolation amplifier  
Isolation and conversion of standard industrial bipolar and unipolar signals



#### Operating voltage

Up to 600 V AC/DC for overvoltage category II

#### Protection from electric shock

Separation of protection by reinforced insulation in compliance with EN 61010 Part 1 up to 300 V AC/DC for overvoltage category II

#### Operating temperature

Operation from -25°C to +70°C

#### Electrical power supply

16.8 V to 31.2 V DC

#### EMC

EN 61326-1



For more information,  
please download our technical data sheets  
from [www.georgin.com](http://www.georgin.com).

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