Transmitter for Analog Current Signals
Type G 3210 1161

- **AnaLink transmitter with 4 to 20 mA input**
- **8-bit resolution**
- **Optical isolation**
- **Uses only 1 channel**
- **Channel coding by GAP 1605**
- **Supplied by Dupline® and current signal**
- **H2-housing**
- **For mounting on DIN-rail in accordance with EN 50022**

Product Description

Dupline® Analink transmitter with 4 to 20 mA input. Converts the 4 to 20 mA input signal to an 8-bit binary value, which is transmitted to the controller G 3890 0030 230. In this unit the analog values can be scaled, logged and printed out and/or read from a PC. The 4 to 20 mA signal must be able to supply a voltage drop of 6 V, since the analog part of the transmitter is supplied by the input signal.

Ordering Key

G 3210 1161

Type: Dupline®
Type

Type Selection

Supply	**Ordering no.** **1 channel** **4 to 20 mA**
By Dupline® and current signal	**G 3210 1161**

Supply Specifications

Current consumption	
from Dupline®	< 600 µA
Power dissipation	< 10 mW

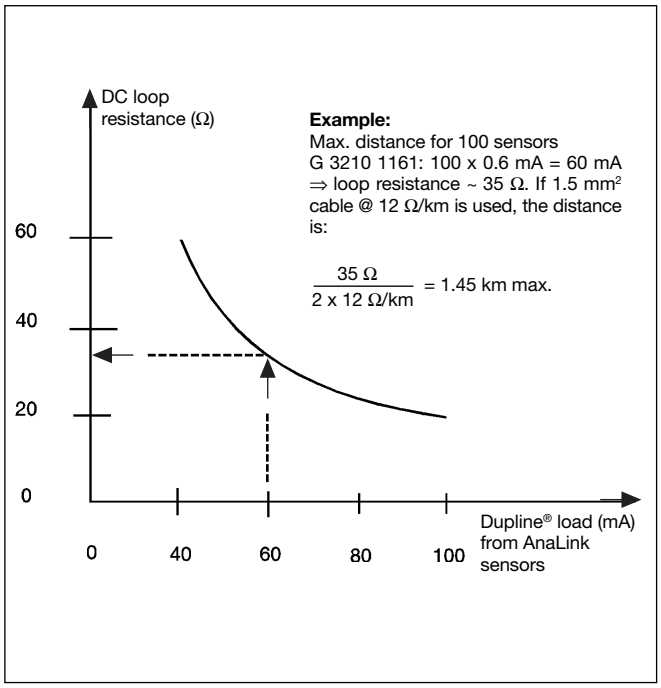
Input Specifications

Signal input	4 to 20 mA
Voltage drop	≤ 6 V
Resolution	8-bit (62.5 µA/LSB)
Max. current	100 mA
Inaccuracy (entire temperature range)	≤ 1%
Cable length	≤ 25 m
Dielectric voltage	≥ 2 kV
Response time	256 pulse trains (~ 18 s @ 64 channels)

General Specifications

Channel programming	By GAP 1605
Channel assignment	1 channel, freely programmable
Environment	
Degree of protection	IP 20
Pollution degree	3 (IEC 60664)
Operating temperature	0° to +50°C (+32° to +122°F)
Storage temperature	-50° to +85°C (-58° to +185°F)
Humidity (non-condensing)	20 to 80% RH
Mechanical resistance	
Shock	15 G (11 ms)
Vibration	2 G (6 to 55 Hz)
Dimensions	
Material	
(see "Technical Information")	H2-housing
Weight	90 g

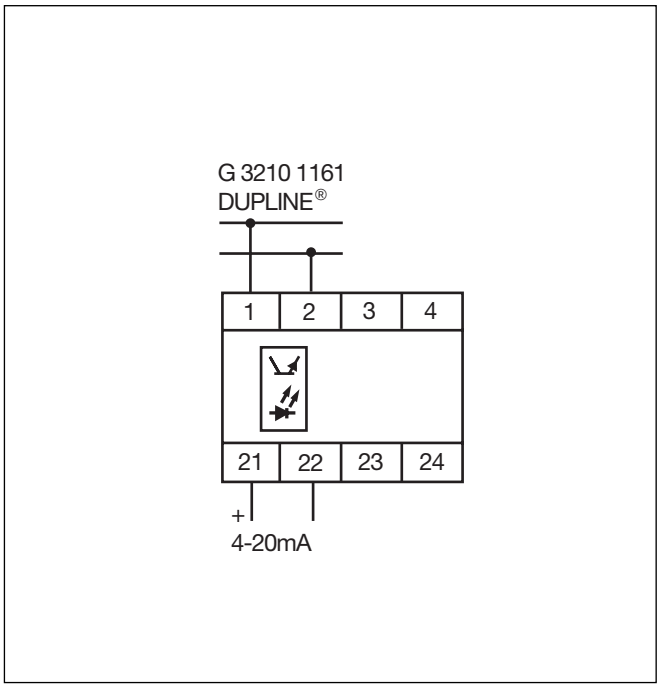
Distance Versus No. of Sensors



Example:
Max. distance for 100 sensors
G 3210 1161: 100 x 0.6 mA = 60 mA
⇒ loop resistance ~ 35 Ω. If 1.5 mm² cable @ 12 Ω/km is used, the distance is:

$$\frac{35\ \Omega}{2 \times 12\ \Omega/km} = 1.45\ km\ max.$$

Wiring Diagram



Accessories

DIN-rail	FMD 411

For further information refer to "Accessories".