

Electrical Measurements Control

T201

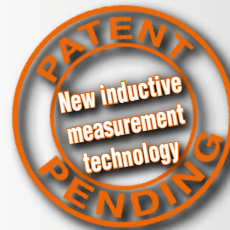
**AC Current Transformer
to DC current
(4..20 mA - loop powered)**



INPUT

8 selectable scales via DIP-SWITCH
from ± 5 A to 40 A (AC)

- Tiny dimension: 38 x 40 x 20 mm ($\varnothing$ 12,5 mm)
- Power supply: on the output loop 4..20 mA
- Accuracy: better than 0,2%
- Self-consumption < 50 mW
- Low Ripple of output
- Answer Speed checked by auxiliary filter



T201 DC

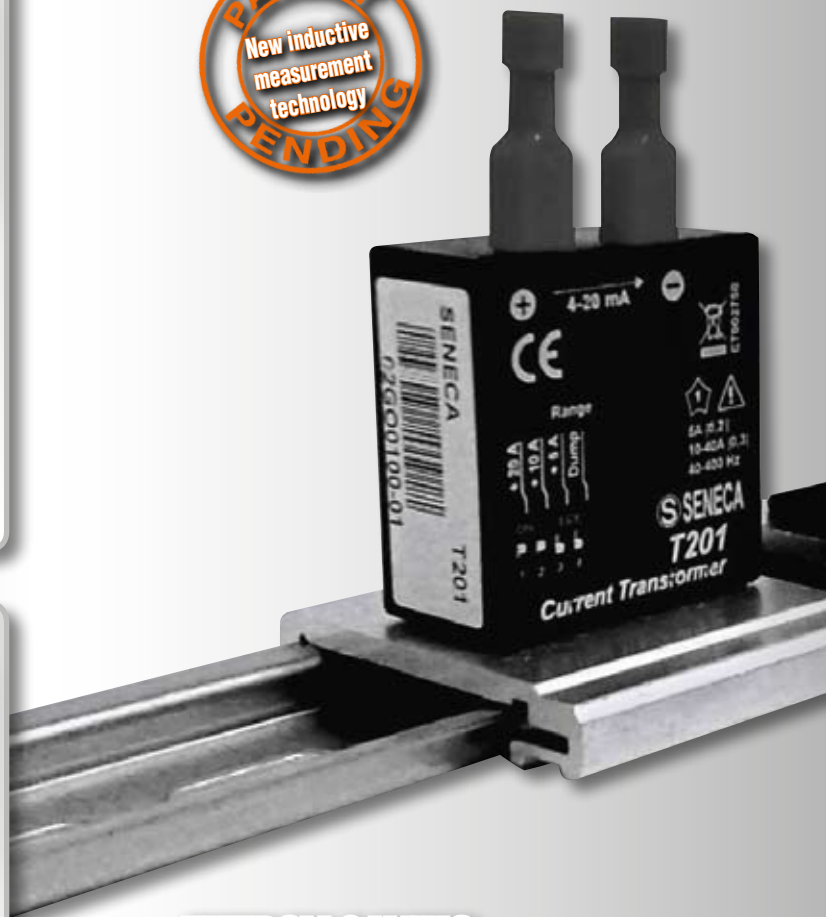
**DC Current Trasducer
to DC current
(4..20 mA - loop powered)**



INPUT

8 selectable scales via DIP-SWITCH
 ± 5 A to 40 A (DC)

- Tiny dimension: 38 x 40 x 20 mm ($\varnothing$ 12,5 mm)
- Power supply: on loop 4..20 mA
- Accuracy: better than 0,2%
- Measurement Principle: magnetic not intrusive
- Wide loop voltage range: 6..100 V
- Needless of current shunts, fits for pulse current



- **ENERGY SAVING**
- **NETWORK ANALYSIS**
- **MEASUREMENT CONVERSION**

**ISOLATION TESTING AND
DAMAGE RESEARCH**



**USERS ABSORPTION
MONITORING**



**QUALITY CONTROL
ENERGY**



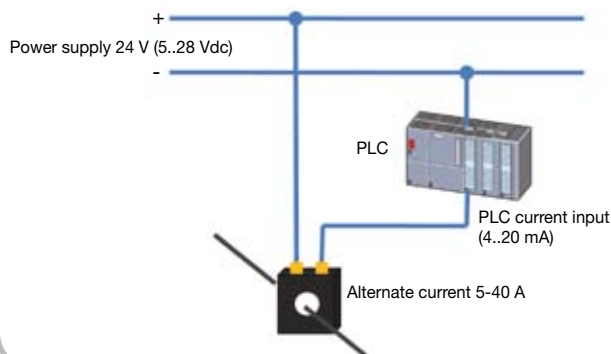
**TEST-BED AND ENGINE
TESTING**



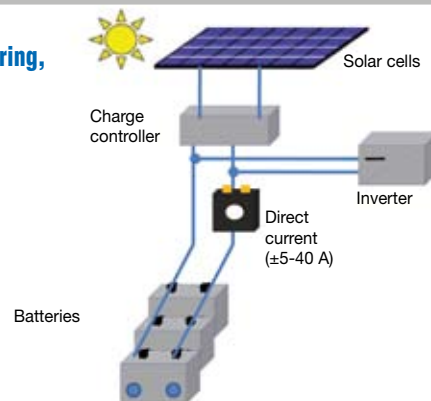
Electrical Measurements Control

TYPICAL APPLICATIONS FOR T201 AND T201DC

Measure conversion for PLC



Photovoltaic System: string current monitoring, inverter input and batteries level.



ELECTRIC PARAMETERS CONVERTERS

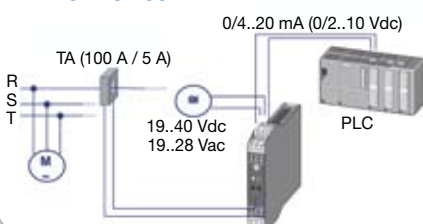
Z201 • Z201-H

AC current to DC current/voltage isolator/converter



- INPUT: current (0..5 / 0..10A)
- OUTPUT: current (0..20 / 4..20 mA), voltage (0..5 / 0..10 / 1..5 / 2..10 V)
- ACCURACY: 0,3%
- POWER SUPPLY: 19...40 Vdc / 19..28 Vac 50-60 Hz (Z201), 85..265 Vac/dc (Z201-H)
- ISOLATION: 3.750 Vac (output // power supply), 1.500 Vac (other circuits) (Z201); 4.000 Vac (Z201-H)

APPLICATION SCHEME



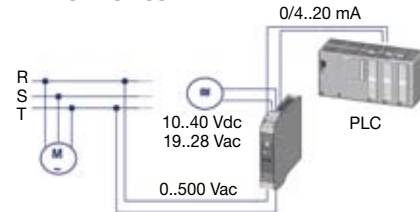
Z202 • Z202-H • Z202-LP

AC/DC voltage to DC current/voltage isolator/converter



- INPUT: voltage, 0..500 Vac / 0..540 Vdc
- OUTPUT: current (0..20 / 4..20 mA), voltage (0..5 / 0..10 / 1..5 / 2..10 V)
- ACCURACY: 0,25%
- POWER SUPPLY: 10...40 Vdc / 19..28 Vac 50-400 Hz (Z202), 85..265 Vac/dc (Z202-H): loop powered 5..28 Vdc (Z202-LP)
- ISOLATION: 3.750 Vac (output // power supply), 1.500 Vac (other circuits) (Z202); 4.000 Vac (Z202-H, Z202-LP)

APPLICATION SCHEME



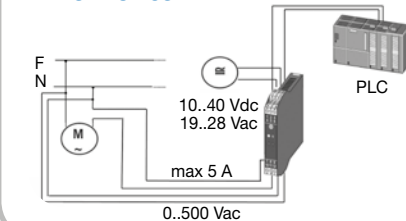
Z203

Single-Phase Network Analyzer



- Power supply: 10..40 Vdc; 19..28 Vac - 50-60 Hz
- Input: voltage 0..500 Vac, current 0..5 A
- Analog Output for P, Q, V, I, cosφ
- Accuracy: 0.5%
- Isolation: 3.750 Vac (from/to power); 1.500 Vac (other circuits)
- ModBUS (w x h x d): 17,5 x 100 x 112 mm

APPLICATION SCHEME



ADVANCED THREE-PHASE NETWORK ANALYZERS

S203T

High precision Three-Phases Network Analyzer (input up to 100 mA)



- Power supply: 10-40 Vdc, 19-28 Vac 50-60 Hz
- Serial interface: RS485 isolated, ModBUS/RTU protocol
- Voltage input: capacity measure=600 Vac, freq. 50 or 60Hz
- Current input: up to 100 mA
- Re-transmitted output by voltage / current (error max 0,1%)
- Accuracy class: 0,2

S203TA

Three-Phase Advanced Network Analyzer (input up to 5 Arms)



- Power supply: 10-40 Vdc, 19-28 Vac 50-60 Hz
- Serial interface: RS485 isolated, ModBUS/RTU protocol
- Voltage input: max=600 Vac, freq. 50 or 60Hz
- Current input: up to 5 Arms
- Re-transmission as analogue output voltage / current (error max 0,1%)
- Accuracy class: 0,2