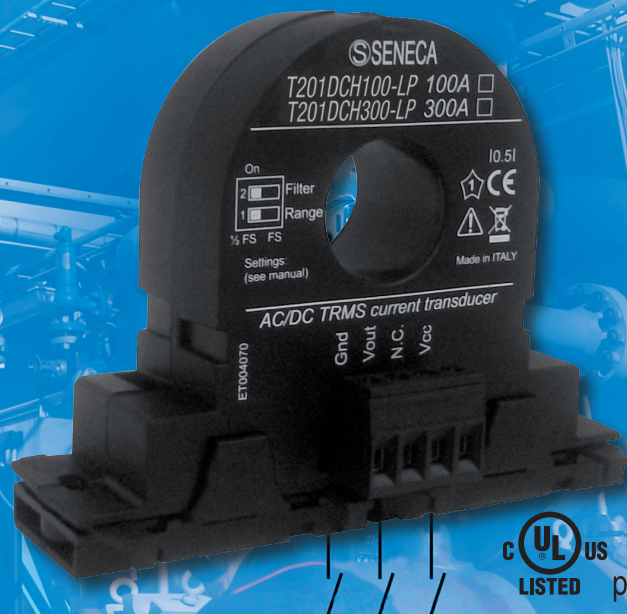
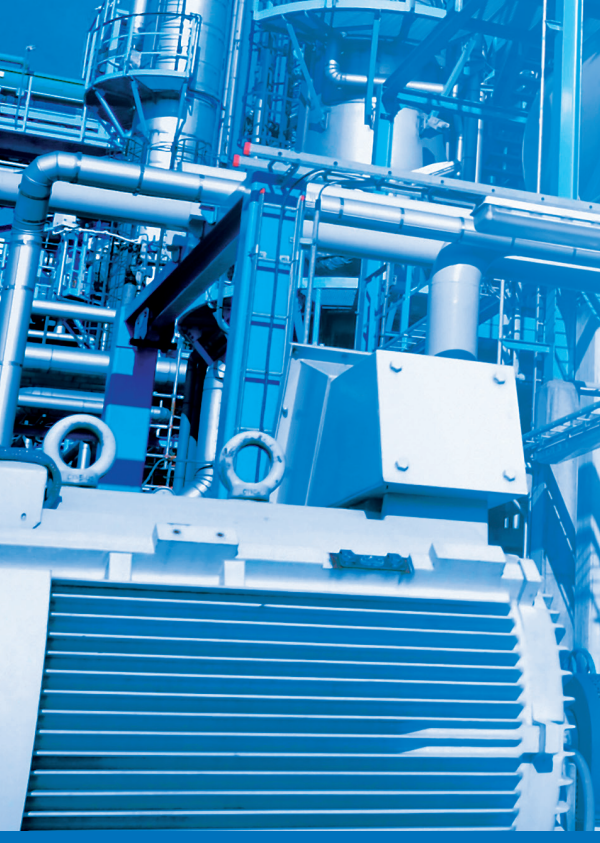




T201DCH-LP

HALL EFFECT LOOP POWERED CURRENT TRANSFORMERS WITH 4-20 mA OUTPUT

Highlights

- **Selectable Input current up to 300A**
- **Loop powered (9..28 Vdc)**
- **Low power consumption (< 22 mA)**
- **Rated analog output**
- **AC/DC TRMS or bipolar measurement**
- **Accuracy class 0,5% [AC] / 1% [DC]**
- **Wide operating temperature range (-20..+70°C)**
- **UL pending**

T201 Series, AC/DC current transducers, expands with three new models: T201DCH-50-LP, T201DCH-100-LP, T201DCH-300-LP (input range $\pm 50A$, $\pm 100A$, $\pm 300 A_{ac} / dc$).

These loop powered versions feature 4..20 mA loop powered measurement and Hall effect which allows the bipolar DC measurement besides the TRMS AC/DC component.

Top features of T201 Series are the electrical reliability, flexibility and overall space saving.

The series is suitable for the main measurement applications like batteries, battery charger, solar panels, power generators, AC/DC current loads, etc.



HALL EFFECT LOOP POWERED CURRENT TRANSFORMERS WITH 4-20 mA OUTPUT

	T201DCH50-LP	T201DCH100-LP	T201DCH300-LP
			
	AC/DC Current Transformer (± 50 A), Hall Effect, Loop Powered, 4-20 mA output	AC/DC Current Transformer (± 100 A), Hall Effect, Loop Powered, 4-20 mA output	AC/DC Current Transformer (± 300 A), Hall Effect, Loop Powered, 4-20 mA output
GENERAL DATA			
Power Supply	Loop powered (9..28 Vdc)	Loop powered (9..28 Vdc)	Loop powered (9..28 Vdc)
Power Consumption	< 22 mA	< 22 mA	< 22 mA
Isolation & Protection	3 kVdc (on bare conductors)	3 kVdc (on bare conductors)	3 kVdc (on bare conductors)
Installation Category	300 V CAT III (bare conductor); 600 V CAT III (isolated conductor)	300 V CAT III (bare conductor); 600 V CAT III (isolated conductor)	300 V CAT III (bare conductor); 600 V CAT III (isolated conductor)
Protection Degree	IP20	IP20	IP20
Response time	Fast filter: 800 ms Slow filter: 2 s	Fast filter: 800 ms Slow filter: 2 s	Fast filter: 800 ms Slow filter: 2 s
Accuracy Class	[AC]: 0,5 % f.s. (50 A) 1 % f.s. (25 A) > 2% f.s. [DC]: 1% f.s. (50 A), 2% f.s. (25 A) < 2% f.s.	[AC]: 0,5 % f.s. (100 A) 1 % f.s. (50 A) > 2% f.s. [DC]: 1% f.s. (100 A), 2% f.s. (50 A) < 2% f.s.	[AC]: 0,5 % f.s. (300 A) 1 % f.s. (150 A) > 2% f.s. [DC]: 1% f.s. (300 A), 2% f.s. (150 A) < 2% f.s.
Thermal Drift	< 200 ppm/K	< 200 ppm/K	< 200 ppm/K
Setting	DIP switch	DIP switch	DIP switch
Operating Temperature	-20..+70°C	-20..+70°C	-20..+70°C
Connection	Removable terminals	Removable terminals	Removable terminals
Conductor max diameter	12,5 mm	20,5 mm	20,5 mm
Dimension	54 x 41 x 30 mm	68 x 97 x 26 mm	68 x 97 x 26 mm
Mounting	35 mm DIN rail with adapter	35 mm DIN rail with 2 adapters / screws	35 mm DIN rail with 2 adapters / screws
INPUT DATA			
Channels	1	1	1
Range	0..50 Aac/dc TRMS; ± 50 Aac bipolar	0-50 A, 0-100 Aac/dc TRMS; ± 50 A, ± 100 A bipolar	0-150 A, 0-300 Aac/dc TRMS; ± 150 A, ± 300 A bipolar
Measurement type	TRMS AC/DC or bipolar DC	TRMS AC/DC or bipolar DC	TRMS AC/DC or bipolar DC
Hysteresis	0,25% f.s.	0,25% f.s.	0,25% f.s.
Max instantaneous overcurrent	300 A (continuous); 2.000 A (pulse)	500 A (continuous); 2.000 A (pulse)	500 A (continuous); 2.000 A (pulse)
Bandwidth / frequency	1 kHz	1 kHz	1 kHz
Crest factor	2	2	2
OUTPUT DATA			
Channels	1	1	1
Range	4..20 mA rated value; 3,6 mA fault signalling; 22 mA max signalling	4..20 mA rated value; 3,6 mA fault signalling; 22 mA max signalling	4..20 mA rated value; 3,6 mA fault signalling; 22 mA max signalling
Resolution	12 bit	12 bit	12 bit
Max load	< 1.000 Ohm @ 28 Vdc	< 1.000 Ohm @ 28 Vdc	< 1.000 Ohm @ 28 Vdc
STANDARD			
Marking	CE, UL pending	CE, UL pending	CE, UL pending
Norms	EN 61326, EN 61010-1	EN 61326, EN 61010-1	EN 61326, EN 61010-1
ORDER CODES			
Code	T201DCH50-LP	T201DCH100-LP	T201DCH300-LP
ACCESSORIES			
A-DIN-T201	35 mm DIN rail adapter		



Since summer 2016, the entire range SENECA T201 Series (AC/DC current transformers) will be certified UL, raising standards of quality and reliability.