



Clamp-on Current Transformers

Ultra compact, with high transformation ratios
Output up to 250 mA (AC)

Description

These high-quality clamp-on current transformers (CT's) are suitable for current measurements and monitoring up to 500 A. Extremely compact dimensions enable their use in places where other CT's do not fit.

For example, they can be used with other deZem hardware, such as the [ZM8C multi-meters](#) or the battery-free [LoRaWAN current sensor HarvyLR](#), via practical plug-in connections.

Application

Measurement of all electric variables in main and sub-distributions as well as directly on installations.

Characteristics

- High transformation ratios (low output currents) enable connection over long distances
- No power supply unit required
- Simple mounting and connection to ZM8C multi-meters via reverse polarity protected connectors, minimal cabling effort combined with standard patch cables, for four clamp-on current transformers each
- Wide range of models for different input currents
- Wide measurement range
- Excellent temperature stability

Technical Data

Operating Conditions

Application area: Indoor
Output voltage: max. 250 V AC
Temperature: -20–55 °C
Humidity: 0–95 %
Pollution degree: 2
Protection type: IP 20

Further Characteristics

Flameproof according to UL-94VO from T80: output protected by diode, standard deviation when using a ZM8C multi-meter: <1 % for currents >3 % of the nominal current of the relevant transformer

Technical Specifications

Type	Current [A]	Window [mm]	Cross section round conduct. [mm ²]	W [mm]	H [mm]	D [mm]	Current ratio	Max. current [A] (1s)	Protect. diode
W15	15	6.0	6	18.0	25.0	18.0	816	50	-
T80	80	10.0	50	23.0	39.0	26.0	2000	96	Yes
W150	150	16.0	150	31.0	44.5	29.0	3015	300	Yes
T300	300	24.0	300	51.0	67.0	34.0	1200	360	Yes
T500	500	36.0	500	68.0	85.0	42.0	2000	600	Yes
Previous models (remaining stock available)									
W80	80	9.5	50	26.5	40.0	26.5	3015	100	-
W300	300	24.0	300	45.0	64.0	34.0	200	1200	Yes
W500	500	36.0	500	57.0	80.0	38.0	2000	2000	Yes



Subject to technical changes
Version 2.0, July 2022

deZem
sense | check | act

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