

Toroidal or Non-Toroidal

When using the 5500A /COIL there are two different specifications.

- 1) Toroidal.
- 2) Non-Toroidal.

There can be some confusion on what type of clamp is being tested.

Toroidal clamps are transformers that act as the secondary and connect to the mA or A jack of your DMM.

Non-Toroidal clamps use of the Hall-effect method of measuring the magnetic field and converting the signal to AC or DC voltage outputs.

If the clamp can measure DC current, then the choice is easy. Non-toroidal. DC can not transfer across a transformer, so it can't be toroidal. Also, if a clamp has a display it is Non-toroidal.

If you are not sure, use the non-toroidal specification.

Examples of toroidal clamps:

Fluke 80i-600

Fluke 80i-1000

Examples of non-toroidal clamps:

Fluke 30 series

Fluke 3XX series

Fluke 80i-400, 410, 500 and 1010