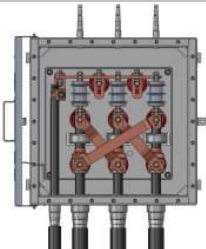




Various CT models



CT100 & RPA1



Three CT33s in a cross link box



CT1 fixed current transformer



CT100 clamp-on current transformer

Current Transformers

When a current transformer is used instead of a quadrupole, the current transformer can be placed around a coupling capacitor terminal or around a part of the test object itself. A current transformer has the advantage of providing galvanic isolation between the ICMseries PD detector and the high voltage circuit. Power Diagnostix offers current transformers as separate modules or integrated with a coupling capacitor into a single unit.



CT33 for on-site installations in cable cross link boxes

The CTs are a low-impact PD sensor option since no interruption of the power connection is required. Such installation is even possible under on-line conditions, as the CT100 is a clamp-on current transformer that can be opened and clamped around a connecting cable, a ground lead, or even a feeding medium-voltage cable with a high-voltage motor installation.

Type	Transfer ratio at 50 Ω	Primary window	Bandwidth at -3 dB	Bandwidth at -6 dB
CT1	1:10	15 mm	0.5 – 80 MHz	0.3 – 100 MHz
CT33	1:10	33 mm	0.7 – 75 MHz	0.4 – 77 MHz
CT60R	1:10	60 mm	2 – 25 MHz	1.2 – 40 MHz
CT100(R)	1:10	100 mm	2 – 25 MHz	1.2 – 40 MHz
CT125R	1:10	125 mm	2 – 25 MHz	1.2 – 40 MHz
CT150R	1:10	150 mm	2 – 25 MHz	1.2 – 40 MHz

The versatility of the Power Diagnostix line of PD detection equipment is due in large part to the range of accessories available for the ICMseries instruments. Each ICMseries data acquisition unit can be combined with different accessories to suit specific applications.