

PD accessories

Current transformers

CURRENT TRANSFORMERS

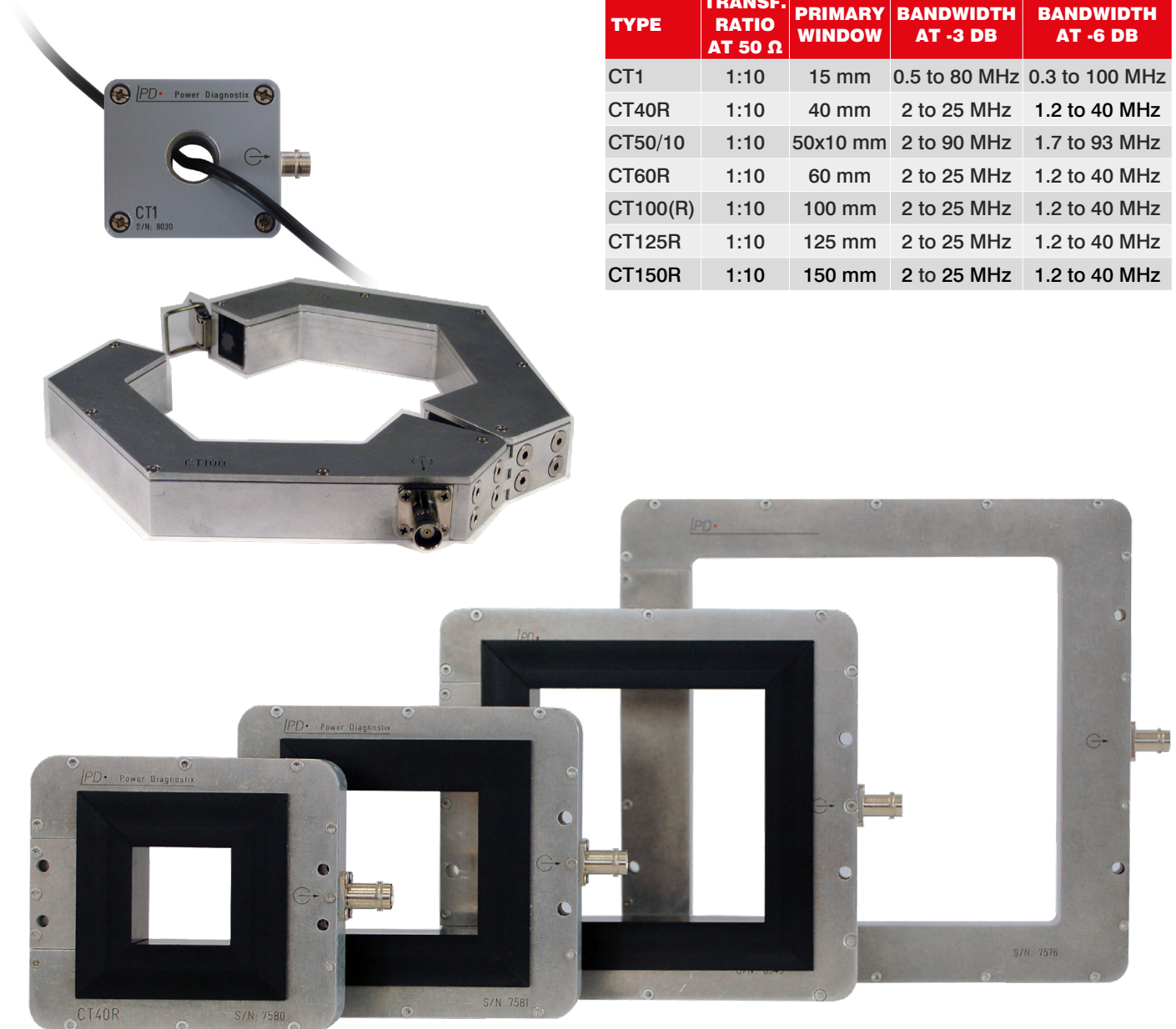
Current transformers (CT) are a low-impact option for sensing partial discharge pulses and sending them as voltage signals to a preamplifier or a pre-processing unit for conditioning. No interruption of the power connection is required. The installation of a CT is even possible under on-line conditions, since most of Power Diagnostix' current transformers can be opened and reassembled or clamped around an already existing connection.

Providing a galvanic isolation between the PD detector or PD on-line monitoring system and the high voltage circuit a current transformer reduces the risk of unwanted damages on the sensitive measurement equipment.

Power Diagnostix current transformers are versatile and suitable for many different test setups. They that can be used with:

- Connecting cables
- Cross link cable boxes
- Cross link box busbars
- Ground leads
- Medium voltage cables
- Coupling capacitor terminals

TYPE	TRANSF. RATIO AT 50 Ω	PRIMARY WINDOW	BANDWIDTH AT -3 DB	BANDWIDTH AT -6 DB
CT1	1:10	15 mm	0.5 to 80 MHz	0.3 to 100 MHz
CT40R	1:10	40 mm	2 to 25 MHz	1.2 to 40 MHz
CT50/10	1:10	50x10 mm	2 to 90 MHz	1.7 to 93 MHz
CT60R	1:10	60 mm	2 to 25 MHz	1.2 to 40 MHz
CT100(R)	1:10	100 mm	2 to 25 MHz	1.2 to 40 MHz
CT125R	1:10	125 mm	2 to 25 MHz	1.2 to 40 MHz
CT150R	1:10	150 mm	2 to 25 MHz	1.2 to 40 MHz



Current transformers of the CTR series