

Current Probes for use with PX5/4400/PowerVisa, Energy Platform, and Encore Series 61000



There are many possible current probe options available from Dranetz to fulfill your current measurement requirements for both Dranetz PX5/4400, Energy Platform, and Encore Series 61000 Monitoring instruments. Many of these current probes connect directly into the PX5/4400, Energy Platform, and Encore Series 61000 instruments. For the Encore Series 61000 a 61MAC input module allows connection of the available current probes to the instrument.

Clamp-On










Clamp-on type probes are available to measure as low as 0.1 A to a maximum of 3000 Amps in various ranges. Also, there are available clamp-on probes that measure both AC and DC currents.

Flexible Probes

These type of probes are available in three lengths 24 inches, 36 inches, and 48 inch lengths which allow monitoring currents up to 6000 Amps full scale.

AC Clamp-On Probes

Clamp-on type probes are available in the following ranges as low as 0.1 A up to 3000 A RMS. All of the probes listed below plug directly into the PX5 family of products, Energy Platform, as well as the Series 61000 current module 61MAC.

Product Number	Range		Amplitude Accuracy \pm	Phase Accuracy \pm	Frequency Range	Maximum Conductor Size
TR2500 	10A to 500 Arms	10A to 500 Arms	1.5% of reading +0.6A	< 4°	48Hz-1kHz	30mm dia.
TR2500A 	10A to 500Arms	100A to 500A	1%	1.5°	40Hz to 5KHz	50mm dia.
		10A to 100A	2%	3°		
TR2501 	100mA to 1.2Arms	1.2A	1.5%	1°	40Hz to 5KHz	15mm dia.
		100mA	1.5%	2°		
TR2510 	1A to 10 Arms	1A to 10 A	1%	1.5°	40Hz to 3 KHz	20 mm dia.
TR2510A 	1A to 10Arms	5A to 10A	1.2%	1.5°	40Hz to 5KHz	15mm dia.
		1A to 5A	2%	1°		
TR2520A 	100A to 3000Arms	1000A to 3000A	0.5%	0.5°	40Hz to 5KHz	72mm dia.*
		300A to 1000A	0.75%	0.75°		
		100A to 300A	1.5%	1.5°		
TR2530A 	20A to 300Arms	50A to 300A	1%	0.5°	30Hz to 5KHz	54mm dia.
		20A to 50A	1.5%	0.6°		
TR2540A 	10A to 1000A	100A to 1000A	1%	0.4°	30Hz to 5KHz	54mm dia.
		10A to 100A	1.5%	0.5°		
TR2550A 	1A to 100Arms	10A to 100A	1%	2.5°	40Hz to 10KHz	15mm dia.
		1A to 10A	2%	5°		

Transient Accuracy: $\pm 10\%$ of Reading, $\pm 0.5\%$ Full scale, ≥ 10 uSec

* or bus bar