

AC And DC Current Probe Extends Measurement To 1000 Arms

[Teledyne LeCroy's](#) CP1000 is a 1000-Arms ac and dc current probe with dc to 1.5-MHz bandwidth, designed for accurate, high-current measurements in motor drives, traction inverters, and high-power systems (Fig. 1). With a large split-core aperture (33 mm), long cable for safer testing (6-meter), and seamless ProBus integration, the CP1000 is said to deliver fast setup, reliable results, and the harmonic visibility engineers need for confident design and validation. Current derating versus frequency and increasing insertion loss over frequency are factors in probe performance (Fig. 2).

For more information, see the product [page](#) and [datasheet](#). Or contact the [vendor](#).

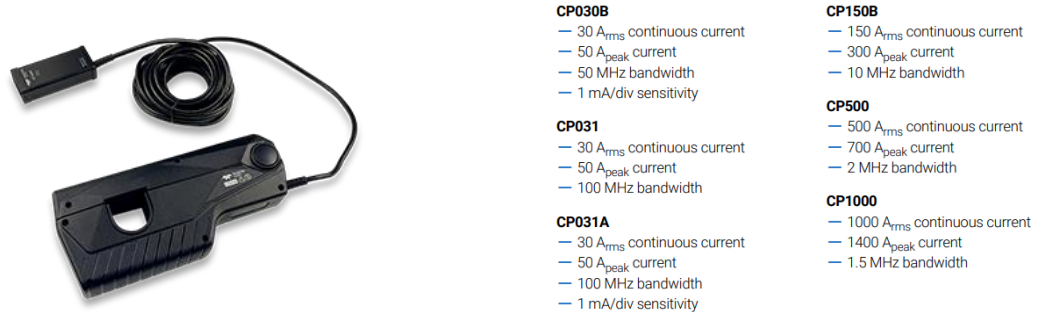


Fig. 1. The CP1000 probe pictured on the left extends the current measurement range versus the company's existing products, which are listed on the right.

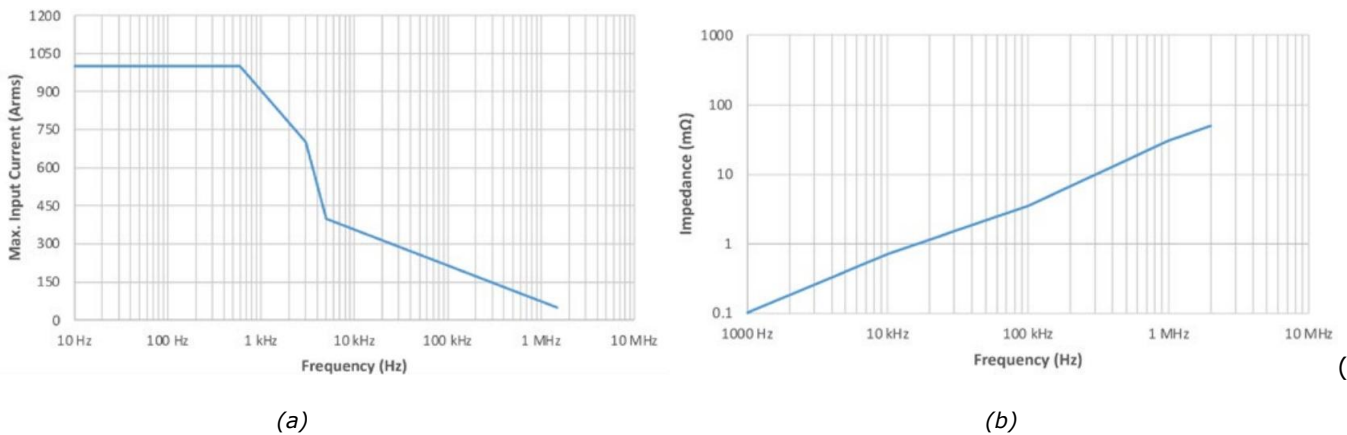


Fig. 2. Maximum input current is derated with frequency (a) while typical insertion impedance also varies with frequency (b).