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Murata Power Solutions
www.murata-ps.com

News Release

True-rms AC Ammeters feature user-settable over current alarm



- *Choice of 0-30A or 0 to 50A input ranges*
- *Measure true-rms value of complex AC current, non-sinusoidal waveforms*
- *Built-in current transformer simplifies implementation*
- *Large easy-to-read three-and-a-half digit bright red LED display*

Murata Power Solutions has introduced a new series of digital AC ammeters with alarm for the measurement and display of complex, true-rms, non-

sinusoidal AC currents. The DATEL ACA-20RM-ALM AC Ammeters are completely self-contained and include a built-in current transformer to simplify their use in numerous applications. The integral alarm is triggered when the user-settable over current value is exceeded. The red LED display continually flashes from low to high intensity to indicate an alarm condition.

Ideal for measuring currents in sensitive IT and telecom equipment, the DATEL ACA-20RM-ALM series comprises two models providing an input range choice of either 0 to 30A or 0 to 50A. Both have a resolution of 0.1A and the 50A model features a convenient split core type current transformer that can be easily clamped around insulated live conductors. Two 50/60Hz AC power supply options are available, giving customers a choice of either 85 to 140VAC (nominally 120VAC) or 170 to 264VAC (nominally 240VAC). Power consumption is less than 50mA. 2kV isolation is specified between the AC supply and the load conductor.

The ACA-20RM-ALM series feature full-size 9.4mm (0.37in.), three-and-a-half digit, bright LED displays and a built-in bezel / filter assembly with metal fasteners. Operating temperature range is 0°C to +60°C. Overall dimensions are

53.33mm (2.1in.) x 35.56 (1.4in.) and the panel cut-out dimensions are compatible with Murata Power Solutions' DMS-20RM rms-reading AC voltage monitors allowing straight-forward upgrades of customer instrumentation to be implemented.

Ends

About Murata Power Solutions

Murata Power Solutions (www.murata-ps.com) is headquartered in Mansfield, Massachusetts, with over 1,300 employees, and locations in the USA, Canada, England, France, Germany, Singapore, Japan and China. Murata Power Solutions designs, manufactures and distributes DC/DC Converters, AC/DC Power Supplies, Magnetics, Data Acquisition devices and Panel Meters, and offers these products in custom, standard and modified-standard variations. These products, which are built to exacting requirements in ISO9001:2000-approved facilities, are typically used worldwide within telecommunications, computing, industrial and other high-tech applications.

About Murata

Based in Kyoto Japan, Murata Manufacturing Company Ltd is one of the world's leading providers of ceramic based components, sensors, and AC/DC and DC/DC power solutions. Founded in 1950, the company has over 34,000 employees worldwide, and over \$6.3 billion US in consolidated annual sales (as of March 31, 2008). Everywhere in the world, wherever you can reach, Murata's electronic components are always at work.

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