



Leading Edge Current Measurement for Tomorrow's Products

CMICROTEK EXPANDS LINE OF ULTRA-LOW CURRENT PROBES OPTIMIZED FOR BATTERY-POWERED PRODUCT DEVELOPMENT

CMicrotek adds the μ CP120™ for higher power applications including WiFi.

For Immediate Release - Longmont, Colorado - CMicrotek is expanding their μ Current Probe™ line of ultra-low current probes, optimized for the wide dynamic current ranges of today's wireless enabled products.

"Low power consumption really is enabling force behind much of the innovation we're seeing in consumer electronics, energy harvesting, wearable technology, the Internet of Things, medical devices, robotics and more. Product development managers and engineer's need the certainty in their current measurements that our probes provide in order to meet their product specs and project schedules." explains Mike Lease, President and founder of CMicrotek. "The sleep current of the micros found in these new products can easily fall into the tens of nanoamps range or lower. The current can run several hundred microamps when the micro is awake and in a product with a wireless radio, the current can jump to tens or hundreds of milliamps. Engineers can waste days or even weeks optimizing their power management without specialized tools like our μ Current Probes."

The newest member of the μ Current Probe line is the μ CP120™, extending the current range of the μ CP100™ (5nA up to 100mA) for higher power applications such as WiFi enabled products. The μ CP120 is capable of measurements from 50nA up to 800mA. Both products provide:

- A wide input voltage range from less than 1V to 20VDC, making them usable with all common small battery voltages and logic power rails as well as "low voltage" energy harvesting power sources and 12V solar panels.
- High gain amplifier and zoom view options to allow engineers to avoid analyzing current waveforms using a scope's lowest volts per division setting, typically their least accurate measurement range.
- Three measurement modes, precision and wide-range mode using internal sense resistors plus external sense resistor mode which allows the current range to be optimized for the target system.

The μ CP100 is available now, the μ CP120 is scheduled to start shipping in June. The probes are priced at \$595 including universal input power supply, BNC-to-BNC scope cable, target system cable and micro gripper clips. Data sheet and a video demo are on the CMicrotek website at <http://www.cmicrotek.com>.

About CMicrotek

CMicrotek is developing a family of instruments for ultra-low current and power measurements. The company's products are intended for use in developing battery and energy harvesting powered products as well as line-powered products where energy efficiency is critical or subject to regulation.

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