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AMETEK
NEWS

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SORENSEN XEL-P SERIES FROM AMETEK PROGRAMMABLE POWER

Compact Bench Power Supply with Comprehensive Remote Control Capabilities

SAN DIEGO, CA, U.S.A.—New Sorensen XEL-P Series advanced linear regulated bench-top power supply from AMETEK Programmable Power offers all of the manual control features of the Sorensen XEL Series but adds comprehensive remote control programmability. With power up to 90 watts, the ultra-compact, 1/4-rack, 3U sized programmable power supply is ideal for rack mounted applications, while its user friendly manual controls are well suited for bench-top applications.

To support the needs of today's engineers, the Sorensen XEL-P offers a comprehensive array of interfaces. RS-232, USB and LAN (Ethernet) certified to LXI Class C are provided as standard, with an additional GPIB interface available as an option. Each of these digital bus interfaces provides full control of voltage, current and output on/off plus read-back of voltage, current and status. The interfaces are at ground potential and are opto-isolated from the output terminals.

From the front, XEL-P models are identical to standard XEL models and retain all of their manual control features. However, power and sense terminals are duplicated on the rear panel of each unit for further flexibility and convenience in applications where rear connections are more appropriate, such as rack-mounting. Up to four single output units can be mounted side by side in a standard rack width. Additionally, any combination of single and dual units can be integrated with the optional rack-mount kit.

The Sorensen XEL Series family provides digital precision but retains true analog control for easy bench operation. All XEL supplies also come with the Output Enable feature that allows preview of the voltage and current settings before turning on the output. While a simple feature, it protects against device damage by allowing the user to verify the settings before applying them to the device being tested.

Along with Output Enable, the XEL Series comes with the V-Span function that increases resolution by allowing users to redefine voltage minimum and maximum limit values within a specific voltage range. Limits can be set at any level up to the rating of the power supply. The voltage span function can be turned on and off with the push of a button.

The ultra-compact design of the XEL Series further allows for higher power efficiency and near-silent cooling. Despite its small size and linear regulation, the XEL Series generates little heat through the use of an advanced phase controlled pre-regulator. This gives the XEL Series significantly higher energy efficiency than conventional linear regulated designs, particularly when supplying lower voltages. In addition, internal heat-sinks use low-noise fan assisted convection cooling to remove heat.

AMETEK Programmable Power is a division of AMETEK, Inc, a leading global manufacturer of electronic instruments and electromechanical devices with 2008 sales of more than \$2.5 billion. For more information, contact AMETEK Programmable Power, 9250 Brown Deer Road, San Diego, CA 92121. Web site:

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[Click here for a hi-res image of the Sorensen XEL-P Series](#)