



High quality data acquisition and embedded control products.

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ICP DAS USA Introduces M-7018Z: 10 Channel Thermocouple Input Module Communicable via ModBus Protocol with High Over Voltage Protection

One day tiny machines will be capable of immediately sensing the temperature and converting that value into a flashing signal! Okay, okay... that day was a while ago. Nowadays you can't throw a heat wave through a high-tech facility without a fleet of thermocouples responding. Problem is: how you get all these devices to talk with your larger electronics network including computers and peripherals? That's where the [M-7018Z](#) comes in. It has all the features to link your thermocouples with your electronics configurations. Details you ask? It supports Modbus RTU, can be remotely controlled with [DCON](#) protocol and weathers a surge with 240 Vrms of voltage protection. It gets along well with 8 differential analog input channels and support for mV, V and mA. The actual types of thermocouples it's compatible with are: J, K, T, E, R, S, B, N and C. Rounding out the [M-7018Z's](#) credentials are its din rail mount-ability and a sample rate of 10 per second.

The increasingly important solar power component for many applications is temperature-critical to say the least. Fortunately, the [M-7018Z](#) has a slim power consumption of 1.0 W so it easily integrates into these and many other projects. Though energy efficient, the unit doesn't compromise on hardiness or compatibility operating smoothly in temperature ranges of -25°C to 75°C. M-7018Z communicates easily with most SCADA and PLCs. The [DCON Utility](#) software's GUI allows quick and easy configuration so baudrate, checksum, address and channel specifications can all be set up in a few mouse clicks. Because 10 different channels can simultaneously have different configurations, the [M-7018Z](#) can multi-task a diverse set of applications.

[ICP DAS USA](#) is a cost effective leader in the US industrial market; offering a stunningly competitive price/performance ratio, while catering to the latest solutions for current industrial trends. We seek to provide our customers with cost effective, flexible, and easy to use solutions for their Data Acquisition and Embedded Control Applications. [ICP DAS USA](#) provides a great variety of products with modular and universal solutions for any scale application or projects

To learn more about the variety of ideas and real projects integrated with ICP DAS hardware, visit our website at www.icpdas-usa.com, or give us a call, toll free, at 1-888-971-9888 and one of our engineers would be happy to assist in reviewing the project requirements, ensuring that the highest quality solution is presented in your final application.

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