



Specification

MODEL	OM-SQ2010
No. of Analog Channels	8 single ended or 4 differential inputs OM-SQ2010 data logger has a single analog to digital converter
Analog Input Connections	Detachable screw terminal blocks
Universal Input	Yes
Voltage Ranges	6 to 25, -0.6 to 2.4, $\pm 0.3V$, -0.15 to 0.15, -0.075 to 0.075 -6 to 12, -6 to 6, -3 to 3, -0.6 to 1.2, -0.6 to 0.6
Common Mode	25 V
Current Ranges	(Requires External 10 Ω Shunt): 4 to 20 mA, ± 30 mA
Thermocouple Ranges	Type J: -200 to 1200°C (-328 to 2192°F) Type K: -200 to 1372°C (-328 to 2502°F) Type T: -200 to 400°C (-328 to 752°F) Type N: -200 to 1300°C (-328 to 2372°F) Type R: -50 to 1768°C (-58 to 3214°F) Type S: -50 to 1768°C (-58 to 3214°F)
Thermistor Ranges	U & UU-Type: -50 to 150°C (-58 to 302°F), Y-Type: -50 to 150°C (-58 to 302°F) Y-Type: -50 to 150°C (-58 to 302°F) S-Type: -30 to 150°C (-22 to 302°F)
A/D Resolution	24 bit
Internal Reference Temperature	-50 to 150°C (-58 to 302°F)
Pulse Count Ranges	0 to 100 Hz (1 input); 0 to 64 kHz (1 input); 0 to 16,000,000 count
Digital State/Event Ranges	8 state inputs or 1 x 8 bit binary
Digital/Alarm Outputs	2 open drain FETs, 18V, 0.1A
Digital I/O Connections	DB25F connector
No of Intervals	4
Data Scaling	Included in standard OM-SQ software
Data Statistics	Calculated within OM-SQ-SOFT-PLUS software
Calculated Channels	Up to 16
Memory Internal	16 M (1 to 1.8 million readings)
Power:	2 C cells internal (included), or external 8 to 28 Vdc via AC adaptor and when plugged in
Battery Life	Up to 5 days with continuous usage while sampling all channels
Networking	Via RS-232 to Ethernet adaptor (Model No. OM-SQ-NET-ADAP)