

Attribute	XM-124 (1440-SDM02-01RA)
Relative humidity IEC 60068-2-30 (Test Db, Unpackaged Damp Heat)	5...95% noncondensing
Vibration IEC 60068-2-6 (Test Fc, Operating)	5 g @ 10...500 Hz
Shock, operating IEC 60068-2-27 (Test Ea, Unpackaged Shock)	15 g
Shock, nonoperating IEC 60068-2-27 (Test Ea, Unpackaged Shock)	30 g
Emissions CISPR11 (IEC 61000-6-4)	Class A
ESD immunity IEC 61000-4-2	6 kV contact discharges 8 kV air discharges
Radiated RF immunity IEC 61000-4-3	10V/m with 1 kHz sine-wave 80% AM from 80...2000 MHz 10V/m with 200 Hz 50% pulse 100% AM at 900 MHz 10V/m with 200 Hz 50% pulse 100% AM at 1890 MHz 3V/m with 1 kHz sine-wave 80% AM from 2000...2700 MHz
EFT/B immunity IEC 61000-4-4	±3 kV at 5 kHz on power ports ±3 kV at 5 kHz on signal ports ±3 kV at 5 kHz on DeviceNet ports
Surge transient immunity IEC 61000-4-5	±1 kV line-line (DM) and ±2 kV line-earth (CM) on power and relay ports ±2 kV line-earth (CM) on shielded signal ports ±2 kV line-earth (CM) on DeviceNet ports
Conducted RF immunity IEC 61000-4-6	10V rms with 1 kHz sine-wave 80% AM from 150 kHz...80 MHz
Enclosure type rating	None (open-style)
Physical	
Terminal base	1440-TB-A (XM-940) Series C
Dimensions (H x W x D), approx	97 x 94 x 94 mm (3.8 x 3.7 x 3.7 in.)
Weight	Module: 0.172 kg (0.38 lb) Terminal base: 0.172 kg (0.38 lb)
Certifications⁽⁴⁾	
c-UL-us	UL Listed for Class I, Division 2 Group A,B,C,D Hazardous Locations, certified for U.S. and Canada. See UL File E194810.
CE	European Union 2004/108/EC EMC Directive, compliant with: • EN 61326-1; Meas./Control/Lab., Industrial Requirements • EN 61000-6-2; Industrial Immunity • EN 61000-6-4; Industrial Emissions • EN 61131-2; Programmable Controllers (Clause 8, Zone A & B)

Attribute	XM-124 (1440-SDM02-01RA)
RCM	Australian Radiocommunications Act, compliant with: • AS/NZS CISPR 11; Industrial Emissions
Ex	European Union 94/9/EC ATEX Directive, compliant with: • EN 60079-15; Potentially Explosive Atmospheres, Protection "n" • EN 60079-11; Explosive Atmospheres, Protection "i" • EN 60079-0; General Requirements • II 3 G Ex nAC [ic] IIC T4 Gc X
KC	Korean Registration of Broadcasting and Communications Equipment, compliant with: • Article 58-2 of Radio Waves Act, Clause 3

- (1) Complex data is available when the channel is configured for dynamic measurements.
- (2) Measurement availability is dependent on channel configuration.
- (3) Use this Conductor Category information for planning conductor routing. Refer to Industrial Automation Wiring and Grounding Guidelines, publication [1770-4.1](#).
- (4) When product or packaging is marked. See the Product Certification link at <http://www.rockwellautomation.com> for Declarations of Conformity, Certificates, and other certification details.
- (5) gSE Measurements can be configured to update continuously, or to alternate with standard acceleration or velocity measurements. The gSE Overall will update in "Real Time" only when configured for continuous update.

Accessories

Terminal Bases

NA Temp Code:	T4A	T4A	T4A	T4A	T4	T4A	T4	T4A
Attribute	XM-940 (1440-TB-A)	XM-941 (1440-TB-B)	XM-942 (1440-TB-C)	XM-943 (1440-TB-D)	XM-944 (1440-TB-E)	XM-946 (1440-TB-G)	XM-947 (1440-TB-H)	XM-DYN (1440-TBS-J)
Supported XM Modules	XM-12 _x	XM-220, XM-320	XM-440	XM-441	XM-36 _x	XM-442	XM-16 _x	XM DYN
Environmental								
Temperature, operating	-20...65 °C (-4...149 °F)							-20...70 °C (-4...158 °F)
Temperature, storage	-40...85 °C (-40...185 °F)							-40...85 °C (-40...185 °F)
Relative humidity	95% noncondensing							5...95% noncondensing
Physical								
Dimensions (H x W x D)	97 x 94 x 94 mm (3.8 x 3.7 x 3.7 in.)							
Side connector	Interconnect to adjacent modules passes primary power (3 A max), DeviceNet protocol and power (300 mA max), and the circuits necessary to support expansion modules							
Terminal screw torque	0.8 N•m (7 lb•in)							
Certifications ⁽¹⁾								
CE:	European Union 2004/108/EC EMC Directive, compliant with: - EN 61326-1; Meas./Control/Lab. Industrial Requirements - EN 61000-6-2; Industrial Immunity - EN 61000-6-4; Industrial Emissions - EN 61131-2; Programmable Controllers (Clause 8, Zone A & B)							
C-Tick	Australian Radiocommunications Act, compliant with: AS/NZS CISPR 11; Industrial Emissions							
Ex	- European Union 94/9/EC ATEX Directive, compliant with: - EN 60079-15; Potentially Explosive Atmospheres, Protection "n" - EN 60079-11; Explosive Atmospheres, Protection "i" - EN 60079-0; General Requirements II 3 G Ex nAC [ic] IIC T4X Gc when used at or below 60V AC or 75V DC							
c-CSA-us	CSA Certified Process Control Equipment for Class I, Division 2 Group A,B,C,D Hazardous Locations, certified for US and Canada. See CSA File 150115.							
c-UL-us	UL Listed, certified for U.S. and Canada. See UL File E234338 UL Listed for Class I, Division 2 Group A,B,C,D Hazardous Locations, certified for U.S. and Canada. See UL File E194810.							

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