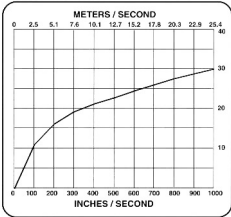


# 5/8 M16\* 3042 SERIES INTRINSICALLY SAFE VRS SENSORS



FOR HAZARDOUS LOCATIONS

OPTIMUM ACTUATOR: 12 DP (Module 2.11) Ferrous Metal Gear

TEST CONDITION: C (See Pg. 8)

## GENERAL SPECIFICATIONS

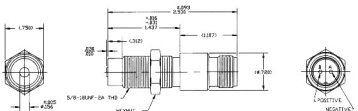
**OUTPUT VOLTAGE:** 30V P-P min.  
**COIL RESISTANCE:** 150 OHMS Typical  
**POLE PIECE DIA.:** .156" (3.9mm)  
**MIN. SURFACE SPEED:** 15 IPS (.38 m/Sec.) Typical

**OPERATING TEMP. RANGE:** -67 to 250F (-55 to 120C)  
**INDUCTANCE:** 26 mH max.  
**GEAR PITCH RANGE:** 16 DP (Module 1.58) or Coarser  
**MAX. OPER. FREQ.:** 40 KHZ Typical

**SENSORS WITH 5/8-18 UNF-2A MOUNTING THREAD\*, MS3106 CONNECTOR, .312" THREAD RELIEF**

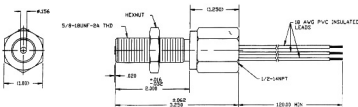
MODEL	THREAD LENGTH	WEIGHT
3042A	1.4" (35 mm)	2.5 oz. (70 gr.)

*Mates with 41010(VR) Connector or CA210 Cable Assembly*



**SENSORS WITH 5/8-18 UNF-2A MOUNTING THREAD\*, 1/2-14 NPT CONDUIT MOUNT, 120" (3M) LEADS**

MODEL	THREAD LENGTH	WEIGHT
3042H20	2.0" (50 mm)	5.0 oz. (140 gr.)



WHEN PROPERLY INSTALLED USING THE INTRINSIC SAFETY PROTECTION METHOD CONNECTED PER CONTROL DRAWING 621081, INDIVIDUAL MODELS ARE INTRINSICALLY SAFE FOR HAZARDOUS LOCATIONS AS FOLLOWS;

MODELS 3042A, M3042A: CLASS 1, GROUPS ABCD

MODELS 3042H20, M3042H20: CLASS 1, GROUPS ABCD, CLASS II, GROUPS EFG, CLASS III

THE 3042 SERIES HAVE BEEN TESTED TO AND MEET THE REQUIREMENTS OF APPLICABLE U.S. AND CANADIAN SPECIFICATIONS FOR THE LOCATIONS DESCRIBED ABOVE.

**SEE PAGE 23 FOR CONTROL DRAWING 621081**

*\*For M16 x 1.5 6g Mounting Thread Versions, add "M" as the first character of the model number. Contact your local distributor for availability and pricing.*



**ISO 9001**