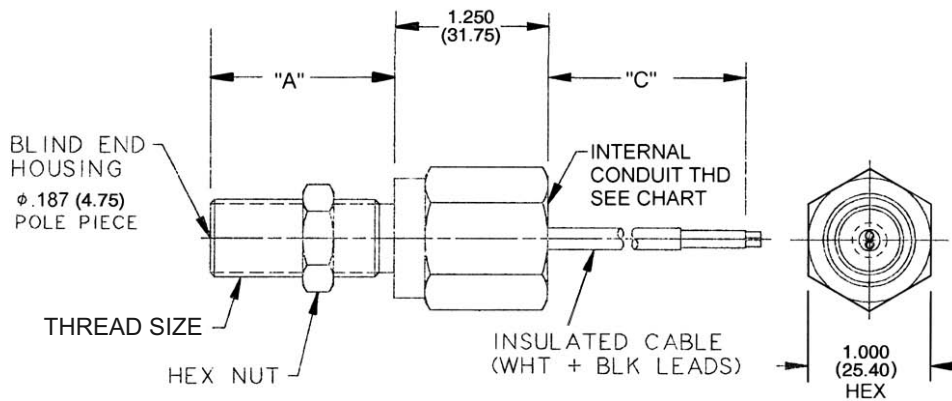


## IEC EX Sensors

| Ordering Part # | Thread Length (A) | Thread Size (B)                                   | Cable Length (C) | Conduit Thread |
|-----------------|-------------------|---|------------------|----------------|
| 70085-3030-111  | 1.500 (38.10)     | 5/8-18 UNF-2A                                     | 3 m              | 1/2 NPT        |
| 70085-3030-112  | 2.750 (68.85)     | 5/8-18 UNF-2A                                     | 3 m              | 1/2 NPT        |
| 70085-3030-113  | 4.000 (101.6)     | 5/8-18 UNF-2A                                     | 3 m              | 1/2 NPT        |
| 70085-3030-114  | 6.000 (152.4)     | 5/8-18 UNF-2A                                     | 3 m              | 1/2 NPT        |
| 70085-3030-211  | 1.500 (38.10)     | 5/8-18 UNF-2A                                     | 10 m             | 1/2 NPT        |
| 70085-3030-212  | 2.750 (68.85)     | 5/8-18 UNF-2A                                     | 10 m             | 1/2 NPT        |
| 70085-3030-213  | 4.000 (101.6)     | 5/8-18 UNF-2A                                     | 10 m             | 1/2 NPT        |
| 70085-3030-214  | 6.000 (152.4)     | 5/8-18 UNF-2A </td <td>10 m</td> <td>1/2 NPT</td> | 10 m             | 1/2 NPT        |
| 70085-3030-222  | 2.750 (68.85)     | 3/4-20 UNEF-2A                                    | 10 m             | 1/2 NPT        |
| 70085-3030-235  | 1.575 (40.00)     | M16 x 1.5 6g                                      | 10 m             | G 1/2          |
| 70085-3030-237  | 3.937 (100.0)     | M16 x 1.5 6g                                      | 10 m             | G 1/2          |



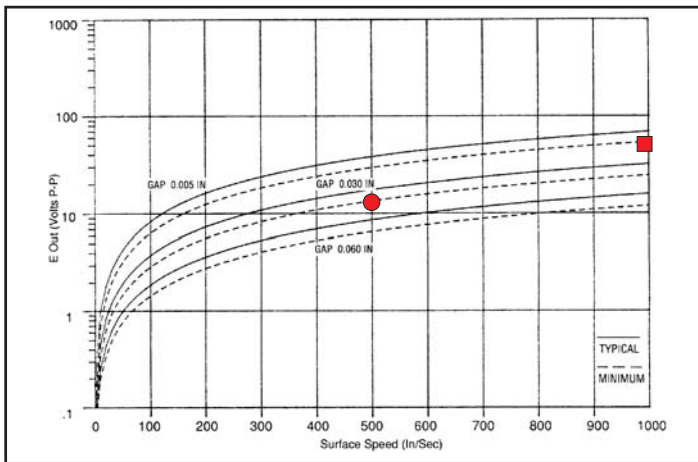
**Figure 1: Dimension Drawing**

**Rating:** ATEX and IEC Ex Equip Group II, Category 2G, Gas Group IIC, Zone 1

Sensor must be used with MTL 7764ac intrinsic barrier

User must install sensor in such a manner as to limit the output voltage to less than 12V Pk-Pk and a total energy of less than 26 microjoules

### Performance Curves



Based on 8 D.P. Gear

Available in a range of inch and metric thread lengths and sizes and cable lengths of 3 or 10 meters. Consult factory for additional details.

### Specifications:

- Output Voltage (Standard): 54 V (P-P)
- Output Voltage (Guarantee Point): 13.4 V (P-P)
- DC Resistance: 240 ohms max.
- Typical Inductance: 30 mH ref.
- Output Polarity: White lead positive
- Operating Temperature: -65 to 100°C
- Net Weight: 14 oz. max.