With its ultra compact design the SM1 is the perfect solution when tight space is an issue. At just a little over an inch across, this miniature stringpot offers full stroke measurement ranges from 2.4 to 25 inches. A precision plastic hybrid 10K-ohm potentiometer delivers a precise voltage divider output signal that is linearly proportional to the travel of the spring-loaded measuring cable.

Constructed with a rugged polycarbonate enclosure and free-release tolerant, the SM1 is the perfect solution for the OEM and single piece user alike.

**Output Signal:**

SM1 includes sensor, & standard mounting bracket. 

**ORDERING INFORMATION**

<table>
<thead>
<tr>
<th>Order</th>
<th>full stroke range</th>
<th>accuracy (% of f.s.)</th>
<th>cycle life</th>
</tr>
</thead>
<tbody>
<tr>
<td>SM1-2</td>
<td>2.375 in (60 mm)</td>
<td>1.00%</td>
<td>2.5M</td>
</tr>
<tr>
<td>SM1-7</td>
<td>7.5 in (191 mm)</td>
<td>0.25%</td>
<td>500K</td>
</tr>
<tr>
<td>SM1-12</td>
<td>12.5 in (318 mm)</td>
<td>0.25%</td>
<td>500K</td>
</tr>
<tr>
<td>SM1-25</td>
<td>25 in (635 mm)</td>
<td>0.25%</td>
<td>250K</td>
</tr>
</tbody>
</table>

Optional Universal Mounting Bracket

Available as an optional accessory, this universal-style mounting bracket replaces the standard bracket to give added mounting flexibility.

It’s easy to install and the mounting kit comes with the bracket and all of the screws needed to attach it to the sensor.

See fig. 3 below for further details.
Electrical Connection:

Fig. 1 - Outline Drawing (w/o mounting bracket):

**mounting holes**
3x Ø.076[1.93] thru on Ø1.22[31.0] B.C. 90° apart

**eyelet detail**
Ø.191 [4.19]*
Ø.375 [9.52]**

*tolerance = ±.005 – .001 [+ .13 – .03]
**tolerance = ±.005 – .005 [+ .13 – .13]

see detail
Fig. 2 - Outline Drawing (w/standard bracket):

Mounting Options:

Mounting bracket can be removed and re-attached to front or back of sensor and rotated on 90° increments.

**eyelet detail**

Ø .191 [4,19]*
Ø .375 [9,52]**

**tolerance = +.005 – .001 [+ .13 – .03]**
**tolerance = +.005 – .005 [+ .13 – .13]**
Fig 3 - Outline Drawing (w/optional Universal Mounting Bracket):

Mounting Options for Universal Mounting Bracket:

*tolerance = +.005 – .001 [+0.13 – 0.03]
**tolerance = +.005 – .005 [+0.13 – 0.13]
The information given herein, including drawings, illustrations and schematics which are intended for illustration purposes only, is believed to be reliable. However, TE Connectivity makes no warranties as to its accuracy or completeness and disclaims any liability in connection with its use. TE Connectivity’s obligations shall only be as set forth in TE Connectivity’s Standard Terms and Conditions of Sale for this product and in no case will TE Connectivity be liable for any incidental, indirect or consequential damages arising out of the sale, resale, use or misuse of the product. Users of TE Connectivity products should make their own evaluation to determine the suitability of each such product for the specific application.