TUBE TYPE SENSOR
ABSOLUTE
The perfect innovation for a better production

TRUE POWER ON
• Absolute at power on
• No back-up batteries

COMPACT & MODULAR
• Easy integration
• Easy maintenance

ROBUST
• Heavy and harsh environments
• Designed for industrial applications

MEASURE POSITION
IN INDUSTRIAL APPLICATIONS

ABSOLUTE POSITION AT TRUE POWER ON

HOW DOES IT WORK?

Dual track reading:
N pole magnetic track
+ N+1 pole magnetic track
= Recognizable magnetic offset between the two tracks
You get position information at instant power on
**CONFIGURATION**

<table>
<thead>
<tr>
<th>TTS / TYPE</th>
<th>DUAL TRACK RING</th>
<th>RESOLUTION</th>
<th>SIGNAL OUTPUT</th>
</tr>
</thead>
<tbody>
<tr>
<td>ABL</td>
<td>Ring 1, Ring 2</td>
<td>13 bit, 17 bit</td>
<td>SSI (10 wires), BISS (10 wires), BISS/SSI (10 wires) + ABZ (6 wires)</td>
</tr>
</tbody>
</table>

**SPECIFICATION**

- Power supply: 5V
- Frequency: 200kHz max
- Accuracy down to +/- 0.1°
- Max data output delay: 14µs
- Permissible clock frequency: SSI/4MHz, BISS/10MHz
- Programmable output (resolution, rotation direction, zero angle)
- Temperature from -40°C to 110°C

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