**Application**
The SpeedMaster™ with Pulse Pilot provides independent, real-time, and complete verification of an entire speed monitoring system to ensure that alarms and shutdowns are working as expected.

**Method of Operation**
The SpeedMaster™ operates in two modes. Input mode is used to measure the pulse rate at normal speed. Output mode will allow the user to input pulses to the sensor for testing purposes.

The Pulse Pilot fits in the gap between the 4B speed sensor and the cover of the Whirligig® (see back). The Pulse Pilot will have no effect on the operation of the speed switch until it is connected to the SpeedMaster™ and set to output mode.

**Features**
- Calibration Testing
- Exact Alarm Point Testing
- Exact Shutdown Point Testing
- Easy To Read Display
- No Need To Modify Speed Switch Assembly For Testing

**Part Numbers**
- SM2 SpeedMaster
- PP2 Pulse Pilot

**4B Compatible Sensors & Accessories**
- MIL8001V4C Milli-Speed Switch (4-20 mA)
- M8001V10C M800 Elite Speed Switch
- M3001V10F M300 Slipswitch (2 Wire)
- M3005V10CA M300 Slipswitch (5 Wire)
- P8002V10FC P800 Proxswitch (Contact Closure)
- P8001V34FC P800 Proxswitch (NPN/PNP)
- P8003V10C P800 Proxswitch (Opto-Isolated FET)
- P8004V10C P800 Proxswitch (Opto-Isolated FET)
- WG1-4B-1 Whirligig® with 1 Target
- WG1-4B-2 Whirligig® with 2 Targets
- WG1-4B-4 Whirligig® with 4 Targets
- WG1-4B-8 Whirligig® with 8 Targets
- MAG2000 Mag-Con™ Magnetic Connector (Optional)

Whirligig® is a registered trademark of 4B Components, Ltd.
SpeedMaster and Mag-Con are trademarks of 4B Components, Ltd.
TECHNICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th><strong>SpeedMaster™</strong></th>
<th></th>
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</thead>
<tbody>
<tr>
<td><strong>Supply:</strong></td>
<td>4 AA Alkaline Batteries (Included)</td>
</tr>
<tr>
<td><strong>Control:</strong></td>
<td>Push Button</td>
</tr>
<tr>
<td><strong>Input Mode Indication:</strong></td>
<td>Red LED</td>
</tr>
<tr>
<td><strong>Output Mode Indication:</strong></td>
<td>Green LED</td>
</tr>
<tr>
<td><strong>Display:</strong></td>
<td>Yellow OLED Display (Shaft Speed / Pulses Per Minute)</td>
</tr>
<tr>
<td><strong>Power On:</strong></td>
<td>Plug in Pulse Pilot (top of unit) and press power button</td>
</tr>
<tr>
<td><strong>Power Off:</strong></td>
<td>Unit powers off automatically if no buttons are pressed for 5 minutes. Unit can be turned off manually by pressing the power button.</td>
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Pulse Pilot Shown in Operating Position between M800 Elite Speed Switch and Whirligig® Target