Pulsimatic Transmitter

**Description:** The Pulsimatic housing is machined out of solid Aluminum. It is installed wafer style and fits nearly all meter types.

**Listing/Rating:** UL Listed
Class 1, Div 2 Groups A,B,C,D

**Dimensions:** 1 ½" x 5 ¼" x 5 ¼"
(* 1000P/Rev is 1 ¾" Thick)

**Material:**
- Case Material: Cast Aluminum
- Bottom Gasket: Neoprene or Cork
- Shaft: Stainless Steel
- Drive Dog: Brass with Stainless Steel Pin
- Gears: Aluminum (Std.) CRES (Optional)
- Internal Wire Leads: 20 AWG PVC U.L. 1180
- Internal Terminal Block: Plastic with Steel trim
- Compression Fitting: Plastic, HEYCO (Alu. Conduit Adapter Optional)
- Switches: Dry Reed, Hamlin, Can configure as Form A or Form C (½ - 50 P/Rev)
  Slot Sensor with Optical Pick-up (100 P/Rev) Std or P&P version
  HP Encoder (500 or 1000 P/Rev)

**Form A Switch Characteristics (1/2 – 50 P/Rev):**
- Max Watts: 10 W
- Max Switching Voltage: 300 VDC
- Max Switching Current: 500 mA
- Resistance, Initial Contact: 0.20 Ohms
- Operating Time: 0.6 milliseconds
- Operating Temp: -20 to 105 °C

**Form C Switch Characteristics (1/2 – 50 P/Rev):**
- Max Watts: 3 W
- Max Switching Voltage: 175 VDC
- Max Switching Current: 250 mA
- Resistance, Initial Contact: 0.20 Ohms
- Operating Time: 0.7 milliseconds
- Operating Temp: -40 to 105 °C

**Typical Output:** for Pulsimatic-1 Form A/C Mounted on 10 Ft Drive
Dog: 1 Pulse = 10 Cuft

**Pulse Output Options:** Reed Switch: (½, 1, 2, 5, 10, 20, or 50 pulse/rev.)
Slot Detector (100 pulse/rev.) requires 5-12VDC Power
Encoder (500, 1000 pulse/rev.) requires 5-12VDC Power

For Sales & Service Contact:

**Follin Flo-Controls**
39 Magnolia Avenue
Cambridge MA 02138
Phone: (617) 290-2134
Fax: (240) 250-8907

www.FollinFlo-Controls.com
sales@FollinFlo-Controls.com

5 Heritage Hill Rd.
Norwalk, CT 06851
Phone: (203) 845-0593
Fax: (203) 846-3825
Doc. Ref: Pulsimatic_Pulser_Bulletin_FFC_v2
Other Options:

The unit comes with a compression fitting through which cable can be run and wired into a terminal block on the underside of the Pulsimatic. Other options for termination include:

1. Standard Compression Fitting
2. ½” Conduit Adapter (alu.)
3. AMP Connector (plastic)
4. MIL Spec (Cannon) Connector (metal)

Installation Kits are also available.

- They include brass studs with washers and nuts in lengths of 3 ¼” (standard), 4”, 5 ¾” and 6 ¼”. Stud threads come in 5/16-18 Thread (std.) or 18-18 Bottom Thread (for AMCO meters)
- Actaris A-Series Mounting Kit: # DMK 217 includes stud kit and special mounting bracket. AMCO Mounting Plate
- If no Index will be on top of the pulser a weather cap kit can be installed to protect the top drive dog.
- Mechanical “Drive Multiplier” can be stacked under most Pulsimatics to mechanically increase drive output by a factor of 10. (requires any index on top of pulsimatic to be appropriately matched to new drive rate)
- Dual Pulse output options are available to permit dedicated isolated outputs for both the utility and customer

Frequency of output when used with common commercial industrial meters:

<table>
<thead>
<tr>
<th>Typical Turndown</th>
<th>20:1</th>
<th>Standard Output (1 P/Rev)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>Std Drive</td>
</tr>
<tr>
<td><strong>Meter</strong></td>
<td><strong>Min Capacity (SCFH)</strong></td>
<td><strong>Max Capacity (SCFH)</strong></td>
</tr>
<tr>
<td>675A</td>
<td>33.75</td>
<td>675</td>
</tr>
<tr>
<td>800A</td>
<td>40</td>
<td>800</td>
</tr>
<tr>
<td>1000A</td>
<td>50</td>
<td>1000</td>
</tr>
<tr>
<td>RM1000</td>
<td>50</td>
<td>1000</td>
</tr>
<tr>
<td>RM1500</td>
<td>75</td>
<td>1500</td>
</tr>
<tr>
<td>RM2000</td>
<td>100</td>
<td>2000</td>
</tr>
<tr>
<td>RM3000</td>
<td>150</td>
<td>3000</td>
</tr>
<tr>
<td>RM5000</td>
<td>250</td>
<td>5000</td>
</tr>
<tr>
<td>RM7000</td>
<td>350</td>
<td>7000</td>
</tr>
<tr>
<td>RM11000</td>
<td>550</td>
<td>11000</td>
</tr>
<tr>
<td>RM16000</td>
<td>800</td>
<td>16000</td>
</tr>
<tr>
<td>RM23000</td>
<td>1150</td>
<td>23000</td>
</tr>
<tr>
<td>GT6</td>
<td>1750</td>
<td>35000</td>
</tr>
<tr>
<td>RM38000</td>
<td>1900</td>
<td>38000</td>
</tr>
<tr>
<td>GT8</td>
<td>3000</td>
<td>60000</td>
</tr>
</tbody>
</table>

For Sales & Service Contact:

39 Magnolia Avenue  
Cambridge MA 02138  
Phone: (617) 290-2134  
Fax: (240) 250-8907

Follin Flo-Controls  
www.FollinFlo-Controls.com  
sales@FollinFlo-Controls.com  
5 Heritage Hill Rd.  
Norwalk, CT 06851  
Phone: (203) 845-0593  
Fax: (203) 846-3825