
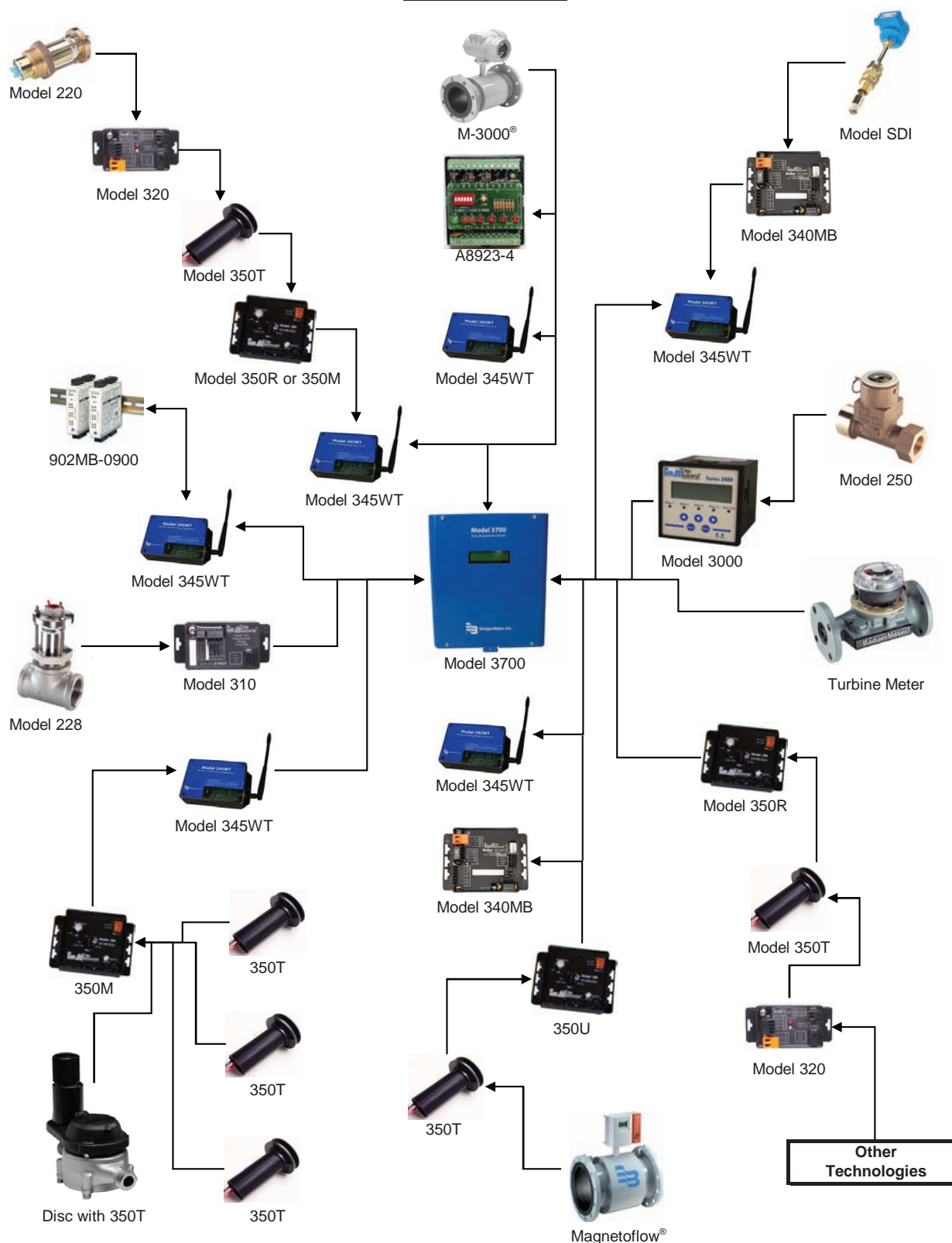


Data Acquisition System	Connection Devices and Sample Applications	Application Brief
-------------------------	--	-------------------

<b>Model 3700 Data Acquisition Server</b> <ul style="list-style-type: none"> <li>Data is stored at 1 to 15 minute intervals</li> <li>TCP/IP, ethernet based system</li> <li>8 Dynamic inputs that accept: <ul style="list-style-type: none"> <li>Pulses: 10hz or less</li> <li>Voltage: 0-10 VDC</li> <li>Resistance: 100 to 100k ohms</li> <li>Current: 4-20 mA</li> </ul> </li> <li>RS485 input to connect to modbus devices</li> </ul>	
<b>Model 345WT Wireless Mesh Network Transceiver</b> <ul style="list-style-type: none"> <li>When used with additional 345WTs, a self healing mesh network is created</li> <li>2 Dry contact pulse inputs</li> <li>Pulses: 50 hz or less</li> <li>RS485 input to connect to modbus devices</li> <li>1500 feet indoor range - several mile outdoor range</li> </ul>	
<b>A8923-4 I/O Expansion Card</b> <ul style="list-style-type: none"> <li>Modbus based device</li> <li>4 dry contact pulse inputs</li> <li>4 current (4-20mA) inputs</li> <li>Can be plugged into either a 345WT or 3700</li> </ul>	
<b>350T Wireless Transmitter</b> <ul style="list-style-type: none"> <li>Dry contact pulse input</li> <li>50mS pulse width required</li> <li>Maximum frequency input must be less than 3 hz</li> <li>500 feet line of site transmit range</li> <li>Battery powered</li> </ul>	
<b>350R, 350U, or 350M Wireless Receiver for the 350T</b> <ul style="list-style-type: none"> <li>Receives signal from 350T every four seconds</li> <li>Antenna required, sold separately</li> <li>350R provides a scaled pulse output</li> <li>350U provides a frequency output</li> <li>350M provides a serial output for receiving up to 64 350T signals</li> <li>The 350M is only used with a 345WT</li> </ul>	
<b>Model 320 Pulse Transmitter</b> <ul style="list-style-type: none"> <li>12-24 vdc or vac powered</li> <li>Use to scale various sine or square wave inputs to a scaled pulse</li> <li>This allows for many devices to connect to a 350T, 345WT, 3700, or A8923-4</li> </ul>	
<b>Model 340 Modbus Btu Transmitter</b> <ul style="list-style-type: none"> <li>Computes flow and temperature inputs to energy rate and total</li> <li>Accepts RTD or Thermistor temperature probes</li> <li>12-24 vac or vdc - power supply sold separately</li> <li>Modbus plug and play with model 3700</li> </ul>	
<b>Acromag 902MB-0900 Modbus Relay</b> <ul style="list-style-type: none"> <li>12 relay output driven by modbus commands</li> <li>Connects directly to a 345WT, 3700, or A8923-4</li> <li>User can then access 3700 and control all relays through standard interface</li> <li>NOTE: There are two products shown in the picture to the right</li> </ul>	
<b>Model 3000 Flow Monitor</b> <ul style="list-style-type: none"> <li>Full feature monitor with multiple inputs and outputs</li> <li>Panel or wall mount available</li> <li>Modbus plug and play with Model 3700</li> </ul>	

## Example Applications



Please see our website at **[www.badgermeter.com](http://www.badgermeter.com)**  
for specific contacts.

Copyright © Badger Meter, Inc. 2008. All rights reserved.



# BadgerMeter, Inc.

6116 E. 15th Street, Tulsa, Oklahoma 74112  
(918) 836-8411 / Fax: (918) 832-9962  
[www.badgermeter.com](http://www.badgermeter.com)