



## Wiring Schematics

### pH, ORP & Ion Selective Sensor Hookup Schematics

#### Advanced Sensor Technologies, Inc. (ASTI)

<u>Q7F Quick Disconnect Snap Connector pH/ORP sensors with integral preamplifiers</u>	<u>3TX with Preamp</u>	<u>2TX with Preamp</u>	<u>4TX with Preamp</u>
	<u>3TX without Preamp</u>	<u>2TX without Preamp</u>	<u>4TX without Preamp</u>
	<u>3TX with External Preamp</u>		

#### Uniloc / Rosemount Analytical Liquid Division / Emerson Process Management (EPM)

Modern Transmitters (4-Wire Line Power)	Modern Transmitters (2-wire Loop Power)	Legacy Transmitters	Legacy Transmitters
<u>1056 / 1057 / 56 with Preamp</u>	<u>1066 With Preamp</u>	<u>1181</u>	<u>2081 (FM Approved)</u>
<u>1056 / 1057 / 56 No Preamp</u>	<u>1066 No Preamp</u>	<u>54epH / 3081 / 4081 (with Preamp)</u>	<u>2081 (Non-FM Approved)</u>
<u>1056, 1057, 56 with External Preamp</u>	<u>5081 with Preamp</u>	<u>54 (No Preamp)</u>	<u>1003</u>
	<u>5081 No Preamp</u>	<u>XMT (with Preamp)</u>	<u>1050</u>

	<u>6081 With Preamp</u>	<u>XMT (No Preamp)</u>	<u>1054</u>
	<u>6081 No Preamp</u>	<u>1055 (with Preamp)</u>	<u>1054A</u>
<u>Q7M/Q7F Quick Disconnect Snap Connector pH/ORP sensors with integral preamplifiers</u>		<u>1055 (No Preamp)</u>	<u>1054B</u>

## Leeds & Northrup (L&N) / Honeywell

<u>UDA2182 with Preamp</u>	<u>7082 (Durafet)</u>	<u>7075</u>	<u>7084</u>
<u>9072 (Honeywell)</u>	<u>7082 (No Durafet)</u>	<u>7079</u>	

## Great Lakes Instruments (GLI) / HACH

<u>Q7M/Q7F Quick Disconnect Snap Connector pH/ORP sensors with 5-wire differential preamp; For all modern HACH &amp; GLI Transmitters</u>	<u>5-Wire Differential Preamp with Tinned Leads (P33, P53, P63 &amp; 692P &amp; Others)</u>	<u>671</u> <u>672</u> <u>692</u>	<u>690</u> <u>70</u> <u>570</u>
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## Foxboro Analytical EChem (a division of Invensys) by Schneider Electric

<u>870IT / 876 / 875</u>	<u>870IT SPECIAL (No Preamp, No Solution Ground)</u>	<u>873 Dual Channel (DPX)</u>	
<u>870IT (No Preamp)</u>	<u>872</u>	<u>873</u>	
Johnson Yokogawa Controls (JYC)	Endress & Hauser (E+H)	Electro-Chemical Devices (ECD)	Mettler Toledo
<u>202 &amp; 402 Analyzers</u>	<u>Most Models w/Standard Hookup</u>	<u>T-21</u>	<u>2400 (pH)</u>
		<u>T-20 &amp; T-27</u>	<u>2100e (pH)</u>

		<u>T-28</u>	<u>M300</u>
ABB TBI-Bailey	Georg Fischer Signet (+GF+)	Miscellaneous Manufacturers	
<u>TBI Model 82</u>	<u>710</u>	<u>IC Controls 655</u>	
<u>AX4 Series</u>	<u>8710</u>	<u>Lakewood 820</u>	
	<u>9030</u>	<u>Omega PHCN 28</u>	
	<u>2TX/3TX/4TX Preamp to Signet 8710 / 8750</u>		

## Generic Hook-Up Schematics for Sensors without Preampifiers

<u>No Preamp (BNC Connector)</u>	<u>External Preamp (Standard)</u>	<u>No Preamp to External (Non-Differential) 54epH</u>	<u>Three Wire TC Hookup</u>
<u>No Preamp (Lead Wires)</u>	<u>External Preamp (Differential)</u>	<u>Battery Powered External Preamp</u>	<u>Generic Three-Wire TC Hook-Up (No BNC Connector)</u>