Wiring Schematics

pH, ORP & Ion Selective Sensor Hookup Schematics

Advanced Sensor Technologies, Inc. (ASTI)

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

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
1056 / 1057 / 56 with Preamp	1066 With Preamp	1181	2081 (FM Approved)
1056 / 1057 / 56 No Preamp	1066 No Preamp	54epH / 3081 / 4081 (with Preamp)	2081 (Non-FM Approved)
1056, 1057, 56 with External Preamp	5081 with Preamp	54 (No Preamp	1003
	5081 No Preamp	XMT (with Preamp)	1050

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

Leeds & Northrup (L&N) / Honeywell

UDA2182 with Preamp	7082 (Durafet)	7075	7084
9072 (Honeywell)	7082 (No Durafet)	7079	

Great Lakes Instruments (GLI) / HACH

Q7M/Q7F Quick Disconnect Snap Connector pH/ORP sensors with 5-wire differential preamp; For all modern HACH & GLI Transmitters	5-Wire Differential Preamp with Tinned Leads (P33, P53, P63 & 692P & Others)	671 672 692	690 70 570

Foxboro Analytical EChem (a division of Invensys) by Schneider Electric

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

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

Generic Hook-Up Schematics for Sensors without Preamplfiers

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