

## Sensing Element Reference Guide

Sensing Element	Special Characteristics	Primary Application	Std Process Conn.	Min. Flange	Active Dia. (In)	Std Wetted Parts	Temp 1 (Deg F)	Press. 1 (PSI)	Temp 2 (Deg F)	Press. 2 (PSI)	Cooling Ext. Req'd Temp (Deg F)
700-0001-016	3A approved sanitary <b>Obsolete use 700-0001-019</b>	Conductive non-coating liquids and slurries	1" tri-clamp	1-1/2"	0.375	TFE & 316SS	300	200			N/A
700-0001-018	No wetted metal parts	Corrosive non-coating conductive liquids	3/4" NPT	N/A	0.375	PFA	300	50			N/A
700-0001-019	Sanitary, not 3A	Conductive non-coating liquids and slurries	1" tri-clamp	1" tri-clamp	0.375	TFE & 316SS	300	200			N/A
700-0001-022	General purpose low capacitance	Non-coating conductive liquids	3/4" NPT		0.375	TFE & 316SS	100	1000	300	500	300
700-0001-024	Concentric shield <b>Typically use 700-0001-026</b>	Low viscosity insulating liquids	1-1/2" NPT	2"	1.66	TFE & 316SS	100	1000	300	500	300
700-0001-026	Perforated concentric shield	Low to medium viscosity insulating liquids	1-1/2" NPT	2"	1.625	TFE & 316SS	100	1000	300	500	300
700-0001-034	Carbon steel cage	High viscosity insulating liquids	4" 150# CS flange	4"	4.026	TFE & CS	100	1000	300	500	300
700-0001-040	No fluoropolymers	Tobacco Industry	3/4" NPT	1/2"	0.375	Polyethylene & 316 SS	150	50			N/A
700-0001-044	General purpose low capacitance	Non-coating conductive liquids where TFE is not acceptable	3/4" NPT	1"	0.375	PFA & 316SS	100	1000	300	500	300
700-0001-045	Designed to Chlorine Institute standards. CS conc. shield	Chlorine service	4" 300# CS flange	4"	1.66	TFE & CS	200	500			N/A

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700-0001-054	Insulated ground rod with exposed Hastelloy C tip	Corrosive, conductive, non-coating liquids in non-metallic tank	TFE faced CS flange	2"	0.375	TFE & Hastelloy C	100	1000	300	500	N/A
700-0001-064	316SS ground rod	Non-corrosive, conductive, non-coating liquids in non-metallic tanks	TFE faced CS flange	2"	0.375	TFE & 316SS	100	1000	300	500	N/A
700-0001-074	Small concentric shield	Very low viscosity insulating or low conductivity liquid	3/4" NPT	1"	0.875	TFE & 316SS	100	1000	300	500	N/A
700-0001-344	High integrity seal	Conductive non-coating, hazardous and/or corrosive liquids	PFA faced SealTyte flange	1"	0.375	PFA	100	1000	350	500	N/A
700-0002-023	No Cote Shield	Horizontal interface switch. Continuous, insulating liquids.	3/4" NPT	1"	0.5	TFE & 316SS	100	1000	300	500	N/A
700-0002-024	Crimped cooling extension for high temperature	Conductive non-coating liquids and interfaces	3/4" NPT (1" with inactive)	1"	0.75	TFE & 316SS	100	1000	450	500	Standard
700-0002-027	High capacitance w/thin insulation	Interfaces and coating liquids where PVDF is not acceptable	3/4" NPT	1"	0.56	FEP & 316SS	100	1000	300	500	Available no specific requirement

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700-0002-028	Stress relieving snout & special rod for agitation	Agitated service	3/4" NPT	1"	0.75	TFE & 316SS	100	1000	300	500	N/A
700-0002-029	Rearmount 700-0002-027	Inverted interfaces where a long inactive is required	1" NPT Female	N/A	0.56	FEP & 316SS	100	1000	300	500	N/A
700-0002-033	700-0002-023 with 6" cooling extension std	Horizontal interface switch. Continuous, insulating liquids	3/4" NPT	1"	0.5	TFE & 316SS	100	1000	550	400	Std
700-0002-036	3A approved sanitary Vey high capacitance <b>Obsolete use 700-0002-045</b>	Highly conductive coating liquids and slurries	1-1/2" tri-clamp	1" tri-clamp	0.54	PVDF & 316SS	250	300			N/A
700-0002-037	Very high capacitance	Highly conductive coating liquids slurries and interfaces	3/4" NPT	1"	0.54	PVDF & 316SS	100	1000	250	500	N/A
700-0002-040	No fluoropolymers	Tobacco Industry	1" NPT	1"	0.84	UHMW PE & 316 SS	100	500	150	250	N/A
700-0002-044	Insulated ground rod with exposed Hastelloy C tip Very high capacitance	Corrosive, highly conductive, coating liquids and slurries in non-metallic tanks	TFE faced CS flange	2"	0.54	PVDF, TFE & Hastelloy C	100	1000	250	500	N/A

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700-0002-045	Sanitary, not 3A Vey high capacitance	Highly conductive coating liquids and slurries	1-1/2" tri-clamp	1" tri-clamp	0.54	PVDF & 316SS	250	200			N/A
700-0002-046	3A approved sanitary <b>Obsolete use 700-0002-049</b>	Conductive coating liquids and slurries	1-1/2" tri-clamp	1" tri-clamp	0.56	FEP & 316SS	300	200			N/A
700-0002-049	Sanitary, not 3A	Conductive coating liquids and slurries	1-1/2" tri-clamp	1" tri-clamp	0.56	FEP & 316SS	300	200			N/A
700-0002-054	Insulated ground rod with exposed Hastelloy C tip	Corrosive, conductive, coating liquids and slurries in non-metallic tanks	TFE faced CS flange	2"	0.56	FEP, TFE & Hastelloy C	100	1000	300	500	N/A
700-0002-056	3A approved sanitary <b>Obsolete use 700-0002-049</b>	Highly conductive coating liquids and slurries	1-1/2" tri-clamp	1- 1/2" tri-clamp	0.84	PVDF & 316SS	100	1000	250	500	N/A
700-0002-057	General purpose high capacitance	Conductive coating liquids slurries and interfaces	1" NPT	1"	0.84	PVDF & 316SS	100	1000	250	500	N/A
700-0002-059	Rearmount 700-0002-057	Inverted interfaces where a long inactive is required	1" NPT Female	N/A	0.84	FEP & 316SS	100	1000	250	500	N/A
700-0002-064	Insulated ground rod with exposed Hastelloy C tip	Corrosive, conductive, coating liquids and slurries in non-metallic tanks	TFE faced CS flange	2"	0.84	PVDF, TFE & Hastelloy C	100	1000	250	500	N/A

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700-0002-224	700-0002-024 with high voltage filter	Interface measurements in electrostatic desalters	3/4" NPT (1" with inactive)	1"	0.75	TFE & 316SS	100	1000	450	500	Standard
700-0002-227	Retractable, high capacitance w/thin insulation	Water bottoms, angled side mounting	2' 150# RF flange	No options	0.54	FEP & 316SS	300	200			N/A
700-0002-321	High integrity seal	Conductive non-coating, hazardous and/or corrosive liquids	PFA faced SealTyte flange	1-1/2"	0.75	PFA	100	1000	300	500	N/A
700-0002-360	High integrity seal & driven inactive	Conductive non-coating, hazardous and/or corrosive liquids	PFA faced SealTyte flange	1"	0.875	PFA	100	1000	300	500	Available no specific requirement
700-0002-363	High integrity seal & driven inactive	Conductive non-coating, hazardous and/or corrosive liquids @ higher pressure	PFA faced SealTyte flange	1"	0.875	PFA	150	2500	350	1500	N/A
700-0003-009	700-0005-054 in sectioned concentric shield	Insulating liquids where a long probe is required	2" NPT	2"	1.9	PFA & CS	212	300			N/A
700-0004-024	Hermetic seal ceramic insulators Fragile	Insulating liquids @ high temp.	1/2" NPT	N/A	0.375	Ceramic & 316SS	750	500			N/A
700-0004-031	Concentric shield & ceramic insulators	Insulating liquids @ high temp.	1-1/2" NPT	2"	1.66	Ceramic & 316SS	750	1000			N/A

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700-0004-050	High pressure	Conductive non-coating liquids	1-3/4" 5 tpi	1"	0.375	FEP & 316 SS	200	20000	300	5000	N/A
700-0005-009	Very good abrasion resistance	High abrasion solids	2" NPT	2-1/2"	0.75	Urethane & 316 SS	150	5			N/A
700-0005-018	Good coating rejection, strong	Conductive coating liquids, slurries and interfaces	3/4" NPT	1"	0.3125	PVDF & 316SS	100	1000	250	500	Available no specific requirement
700-0005-019	Probe has slightly conductive layer	Semi-conductive solids (coal, ores, etc.)	2" NPT	2-1/2"	0.75	Special urethane & 316 SS	150	5			N/A
700-0005-028	Good coating rejection, very strong	Highly agitated conductive coating liquids, slurries and interfaces	1-1/4" NPT	1-1/2"	0.5	PVDF & 316SS	100	1000	250	500	N/A
700-0005-034	Well design <b>Obsolete use</b> <b>700-0005-035</b>	Water wells	3/4" NPT	1"	0.093	Polypropylene & 316SS	212	300			Available no specific requirement
700-0005-035	Well design	Water wells	3/4" NPT	1"	0.093	PFA & 316SS	212	300			Available no specific requirement
700-0005-048	Strong	Conductive liquids where PVDF is not acceptable	3/4" NPT	1"	0.3125	PFA & 316SS	100	1000	300	500	Available no specific requirement
700-0005-054	Sheds coatings, cannot be anchored	Conductive coating liquids	3/4" NPT	1"	0.093	PFA & 316SS	300	300			212
700-0005-085	Weight is ground, remote electronics, Hastelloy C optional	Conductive non-coating liquids in nonmetallic tanks	3/4" NPT	1"	0.185	PFA & 316SS	200	200			Available no specific requirement

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700-0005-185	Weight is ground, integral electronics, Hastelloy C optional	Conductive non-coating liquids in nonmetallic tanks	3/4" NPT	1"	0.185	FEP & 316SS	200	200			Available no specific requirement
700-0005-285	Weight is active, cable is Cote Shield, remote electronics, Hastelloy C optional	Long point level in liquids	3/4" NPT	1"	0.185	FEP & 316SS	200	200			Available no specific requirement
700-0005-348	High integrity seal	Conductive non-coating hazardous and/or corrosive liquids	PFA faced SealTyte flange	1"	0.3125	PFA & 316SS	300	500			N/A
700-0005-354	High integrity seal. Sheds coatings, cannot be anchored	Conductive hazardous and/or corrosive liquids	PFA faced SealTyte flange	1"	0.093	PFA & 316SS	300	500			N/A
700-0005-385	Weight is active, cable is Cote Shield, integral electronics, Hastelloy C	Long point level in liquids. Use with ThePoint, LCS & LCT	3/4" NPT	1"	0.185	FEP & 316SS	200	200			Available no specific requirement
700-0005-485	Weight is active, cable is Cote Shield, integral electronics,	Long point level in liquids. Use with ThePoint and IntelliPoint	3/4" NPT	1"	0.185	FEP & 316SS	200	200			Available no specific requirement

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700-0005-594	Active brass weight with internal ground. IntelliPoint only <b>Obsolete use 700-0005-595</b>	High level alarm on large storage tanks, including floating roof.	3/4" NPT	N/A	0.75"	FEP & Brass	185	0			N/A
700-0005-595	Large active brass weight with internal ground. IntelliPoint only	High level alarm on large storage tanks, including floating roof.	1-1/2" NPT	N/A	1.3125	FEP & Brass	185	0			N/A
700-0008-126	True Level - Remote <b>Obsolete consider TDR</b>	Homogeneous insulating liquids with changing electrical properties	1-1/2" NPT	2"	1.66"	TFE & 316SS	100	1000	300	500	Standard
700-0008-144	SealTye True Level - Remote <b>Obsolete consider TDR</b>	Hazardous, homogeneous insulating liquids with changing electrical properties	Flange	1-1/2"	0.375"	PFA	100	1000	350	500	Standard
700-0009-002	Miniature probe	Pilot plants	¼" NPT	1" tri-clamp	0.3125"	TFE & 316SS	100	1000	300	500	Available no specific requirement
700-0009-024	Miniature probe with concentric shield	Pilot plants	1/2" NPT	N/A	0.625	TFE & 316SS	100	1000	300	500	N/A
700-0009-057	Miniature probe, high capacitance	Pilot plants with conductive coating products or interface	¼" NPT	N/A	0.3125"	Tefzel & 316SS	100	1000	250	300	Available no specific requirement
700-0011-001	18" max IL	High temp. and pressure	1/2" NPT	1"	0.25	TFE & 316SS	200	4000	400	2000	Standard



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700-0011-003	36" max. IL	High temp. and pressure	3/4" NPT	1"	0.375	TFE & 316SS	200	4000	400	2000	Standard
700-0011-015	42" max. IL	High temp. and pressure Boiler drums	3/4" NPT	1"	0.625	TFE & 316SS	100	1000	300	500	Standard
700-0018-126	True Level - Integral <b>Obsolete consider TDR</b>	Homogeneous insulating liquids with changing electrical properties	1-1/2" NPT	2"	1.66"	TFE & 316SS	100	1000	300	500	Standard
700-0018-144	SealTyte True Level - Integral <b>Obsolete consider TDR</b>	Hazardous, homogeneous insulating liquids with changing electrical properties	Flange	1-1/2"	0.375"	PFA	100	1000	350	500	Standard
700-0021-001	Extra heavy duty for agitated service	Highly agitated conductive non-coating liquids, slurries and interfaces	2" NPT	2-1/2"	1.375	TFE & 316SS	100	500	300	200	N/A
700-0021-003	Extra heavy duty for agitated service High capacitance	Highly agitated conductive coating liquids, slurries and interfaces where PVDF is not acceptable	2" NPT	2-1/2"	1.125	FEP & 316SS	100	500	300	200	N/A
700-0021-007	Extra heavy duty for agitated service High capacitance	Highly agitated conductive coating liquids, slurries and interfaces	2-1/2" NPT	2-1/2"	1.375	PVDF & 316SS	100	500	300	200	N/A

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700-0029-001	3 terminal with fixed dimensions 9.5" CSL / 19" IL	Flyash hopper with 2" max. lagging	3/4" NPT	N/A	0.375	TFE & 316SS	500	2			N/A
700-0029-002	3 terminal with fixed dimensions 16.5" CSL / 26" IL	Flyash hopper with 8" max. lagging	3/4" NPT	N/A	0.375	TFE & 316SS	500	2			N/A
700-0029-003	3 terminal with fixed dimensions 24.5" CSL / 34" IL	Flyash hopper with 16" max. lagging	3/4" NPT	N/A	0.375	TFE & 316SS	500	2			N/A
700-0029-004	3 terminal with fixed dimensions 29" CSL / 38.5" IL	Flyash hopper with 20.5" max. lagging	3/4" NPT	N/A	0.375	TFE & 316SS	500	2			N/A
700-0029-005	3 terminal with fixed dimensions 33.5" CSL / 43" IL	Flyash hopper with 25" max. lagging	3/4" NPT	N/A	0.375	TFE & 316SS	500	2			N/A
700-0029-102	3 terminal with fixed dimensions 9.5" CSL / 19" IL	Flyash hopper with 2" max. lagging	1-1/4" NPT	N/A	0.5	Ceramic & 316SS	1500	2			Standard
700-0029-103	3 terminal with fixed dimensions 16.5" CSL / 26" IL	Flyash hopper with 8" max. lagging	1-1/4" NPT	N/A	0.5	Ceramic & 316SS	1500	2			Standard
700-0029-104	3 terminal with fixed dimensions 24.5" CSL / 34" IL	Flyash hopper with 16" max. lagging	1-1/4" NPT	N/A	0.5	Ceramic & 316SS	1500	2			Standard

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700-0029-105	3 terminal with fixed dimensions 29" CSL / 38.5" IL	Flyash hopper with 20.5" max. lagging	1-1/4" NPT	N/A	0.5	Ceramic & 316SS	1500	2			Standard
700-0029-106	3 terminal with fixed dimensions 33.5" CSL / 43" IL	Flyash hopper with 25" max. lagging	1-1/4" NPT	N/A	0.5	Ceramic & 316SS	1500	2			Standard
700-0201-005	Available in a large variety of materials	High pressure general purpose and/or corrosive liquids and interfaces.	3/4" NPT	1"	0.25"	TFE & 316SS	100	1000	450	200	300
700-0201-019	Sanitary	High pressure	1-1/2" tri-clamp	1-1/2" tri-clamp	0.25	TFE & 316SS	300	200			N/A
700-0201-036	3A Sanitary <b>Obsolete replaced by 700-0201-019</b>	High pressure	1-1/2" tri-clamp	1-1/2" tri-clamp	0.25	TFE & 316SS	100	1000	450	200	300
700-0202-002		Low pressure general purpose	3/4" NPT	1"	0.375"	TFE & 316SS	300	50	450	20	300
700-0202-017	Low cost <b>Obsolete replaced by 700-0202-002</b>	Low pressure general purpose	3/4" NPT	1"	0.375"	TFE & 316SS	450	20			300
700-0202-019	No TFE <b>Obsolete replaced by 700-1202-001</b>	Low pressure general purpose	3/4" NPT	1"	0.375"	Silicone rubber & 316SS	450	20			300
700-0202-029	Sanitary	Low Pressure	1-1/2" tri-clamp	1-1/2" tri-clamp	0.375"	TFE & 316SS	300	50			N/A
700-0202-036	3A Sanitary <b>Obsolete replaced by 700-0202-029</b>	Low pressure	1-1/2" tri-clamp	1-1/2" tri-clamp	0.375"	TFE & 316SS	300	50	450	20	300

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700-0202-043	Heavy Duty Available in a variety of materials	High pressure and/or corrosive solids, slurries and interfaces.	1" NPT	1-1/2"	0.5"	TFE & 316SS	100	1000	450	200	300
700-0204-002	High temp. ceramic insulators	High temperature solids	1-1/4" NPT	1-1/2"	0.5"	Ceramic & 316SS	700	1	1500	0	Standard
700-0204-022	700-0204-002 w/ secondary seal	High temperature & pressure solids.	2" NPT	1-1/2"	0.5"	Ceramic & 316SS	100	1000	800	200	Standard
700-0204-024	Hermetic seal ceramic insulators	High temperature liquids	3/4" NPT	1"	0.375	Ceramic, Monel & 316SS	750	1000			N/A
700-0204-038	High temp. & pressure ceramic insulators	High temperature liquids & solids	1-1/4" NPT	1-1/2"	0.5	Ceramic, TFE & 316SS	200	2000	500	1000	Standard
700-0204-048	Highest temp. & pressure ceramic insulators	High temperature liquids & solids. <b>Not for hot water</b>	1-1/4" NPT	1-1/2"	0.5	Ceramic, Grafoil & 316SS	600	4000			Standard
700-0205-005	Cable for longer lengths. Active weight	General purpose	3/4" NPT	N/A	0.1875	TFE & 316SS	180	0			N/A
700-0205-006	Rigid probe with cable extension. Active weight.	General purpose	3/4" NPT	1-1/2"	0.1875	TFE & 316SS	300	0			Available no specific requirement
700-0205-015	Cable for longer lengths. Inactive anchor/weight	General purpose	1" NPT	1"	0.1875	TFE & 316SS	450	0			N/A
700-0205-018	3 Terminal version of 700-0005-018	Solids	1"NPT	N/A	0.3125	PVDF & 316SS	250	5			N/A

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700-0205-078	700-0005-018 with slack adjuster	Anchored installations	1"NPT	N/A	0.3125	PVDF & 316SS	250	5			N/A
700-0206-101	Low cost for use with Z-Tron except Z-Tron III	General purpose	3/4" NPT	N/A	0.375	PEEK & 316SS	250	200			Standard
700-0206-201	Low cost for use with Z-Tron III	General purpose	3/4" NPT	N/A	0.375	PEEK & 316SS	250	200			Standard
700-0207-001	12" X 12" flush probe (standard)	Plugged chute detection. Low level in silos	12" X 12" plate	N/A	5" square	Urethane & 304SS	180	1			N/A
700-0207-002	12" X 12" flush probe	Plugged chute detection. Low level in silos	12" X 12" plate	N/A	5" square	TFE & 304SS	300	1			N/A
700-0207-003	12" X 12" curved flush probe	Plugged chute detection. Low level in silos	12" X 12" plate	N/A	5" square	Urethane & 304SS	180	1			N/A
700-0207-004	12" X 12" extra heavy duty flush probe	Plugged chute detection. Low level in silos	12" X 12" plate	N/A	5" square	UHMW PE & 416 SS	180	1			N/A
700-0207-005	12" X 12" curved flush probe	Plugged chute detection. Low level in silos	12" X 12" plate	N/A	5" square	TFE & 304SS	300	1			N/A
700-0207-006	8" X 8" flush probe	Plugged chute detection. Low level in silos	8" X 8" plate	N/A	3" square	Urethane & 304SS	180	1			N/A
700-0209-002	Miniature probe	Pilot plants	1/4" NPT	3/4" tri-clamp	0.1875	TFE & 316SS	250	100	450	0	Available no specific requirement
700-0209-024	Miniature probe with concentric shield	Pilot plants	1/2" NPT	N/A	0.625	TFE & 316SS	250	100	450	0	N/A
700-0220-001	Extra heavy duty. Reverse mount	Large solids; coal rock, etc.	2" NPT	N/A	1	Neoprene & 316SS	180	20			N/A

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700-0221-002	Extra heavy duty	Large solids; coal rock, etc.	2" NPT	2"	0.875	TFE & 316SS	300	50	450	20	300
700-1202-001	Molded design. Remote	General purpose	3/4" NPT	1"	0.375	PEEK & 316SS	450	200			Standard
700-1202-010	Molded design. 0.875" bottom collar, Remote	Low dielectric or short IL	3/4" NPT	1"	0.875	PEEK & 316SS	450	200			Standard
700-1202-012	Molded design. cable extension with brass weight, Remote. Use 700-0005-595	Floating roof	3/4" NPT	1"	0.1875	PEEK, 316SS & Brass	450	200			Standard
700-1202-014	Molded design. cable extension with SS weight Remote	General purpose. Longer length	3/4" NPT	1"	0.1875	PEEK & 316SS	450	200			Standard
700-1202-015	Molded design. Perforated concentric shield Remote	Cut Monitor In-tank. Continuous with insulating liquids	1-1/2" NPT	2"	1.63"	PEEK & 316SS	450	200			Standard
700-1202-016	Molded design. Perforated concentric shield Integral	Cut Monitor In-tank. Continuous with insulating liquids	1-1/2" NPT	2"	1.63"	PEEK & 316SS	450	200			Standard
700-1202-018	Molded design. Proximity plate Remote	Non-contact	3/4" NPT	1"	3" Std	PEEK & 316SS	450	200			Standard
700-1202-020	Molded design. 0.875" bottom collar Remote	Low dielectric or short IL	3/4" NPT	1"	0.875	PEEK & 316SS	450	200			Standard
700-1202-021	Molded design. Integral	General purpose	3/4" NPT	1"	0.375	PEEK & 316SS	450	200			Standard

## Sensing Element Reference Guide

Sensing Element	Special Characteristics	Primary Application	Std Process Conn.	Min. Flange	Active Dia. (In)	Std Wetted Parts	Temp 1 (Deg F)	Press. 1 (PSI)	Temp 2 (Deg F)	Press. 2 (PSI)	Cooling Ext. Req'd Temp (Deg F)
700-1202-022	Molded design. Cable extension with brass weight, remote. Use 700-0005-595. Integral	Floating roof	3/4" NPT	1"	0.1875	PEEK, 316SS & Brass	450	200			Standard
700-1202-024	Molded design. Cable extension with SS weight. Integral	General purpose. Longer length	3/4" NPT	1"	0.1875	PEEK & 316SS	450	200			Standard
700-1202-028	Molded design. Proximity plate. Integral	Non-contact	3/4" NPT	1"	3" Std	PEEK & 316SS	450	200			Standard
700-1202-031	Molded design. FDA approved materials. Remote	Food grade without tri-clamp	3/4" NPT	1"	0.375	FDA approved PEEK & 316SS	450	200			Standard
700-1202-032	Molded design. FDA approved materials. Integral	Food grade without tri-clamp	3/4" NPT	1"	0.375	FDA approved PEEK & 316SS	450	200			Standard
700-1202-033	Molded design. FDA approved materials. 0.875" bottom collar. Remote	Food grade without tri-clamp. Low dielectric or short IL	3/4" NPT	1"	0.875	FDA approved PEEK & 316SS	450	200			Standard
700-1202-034	Molded design. FDA approved materials. 0.875" bottom collar. Integral	Food grade without tri-clamp. Low dielectric or short IL	3/4" NPT	1"	0.875	FDA approved PEEK & 316SS	450	200			Standard
700-1202-041	Molded design. Higher Pressure. Remote	General purpose	3/4" NPT	1"	0.375	PEEK & 316SS	250	1000	450	300	Standard
700-1202-042	Molded design. Higher Pressure. Integral	General purpose	3/4" NPT	1"	0.375	PEEK & 316SS	250	1000	450	300	Standard

## Sensing Element Reference Guide

Sensing Element	Special Characteristics	Primary Application	Std Process Conn.	Min. Flange	Active Dia. (In)	Std Wetted Parts	Temp 1 (Deg F)	Press. 1 (PSI)	Temp 2 (Deg F)	Press. 2 (PSI)	Cooling Ext. Req'd Temp (Deg F)
700-1202-045	Molded design. Higher pressure Perforated concentric shield. Remote	Cut Monitor In-tank. Continuous with insulating liquids	1-1/2" NPT	2"	1.63"	PEEK & 316SS	250	1000	450	300	Standard
700-1202-046	Molded design. Higher pressure Perforated concentric shield. Integral	Cut Monitor In-tank. Continuous with insulating liquids	1-1/2" NPT	2"	1.63"	PEEK & 316SS	250	1000	450	300	Standard
700-1202-051	Molded design. Very high pressure. Remote	General purpose	3/4" NPT	1"	0.375	PEEK & 316SS	250	1500	450	500	Standard
700-1202-052	Molded design. Very high pressure. Integral	General purpose	3/4" NPT	1"	0.375	PEEK & 316SS	250	1500	450	500	Standard
700-1202-055	Molded design. Perforated concentric shield. Remote	Cut Monitor In-tank. Continuous with insulating liquids	1-1/2" NPT	2"	1.63"	PEEK & 316SS	250	1500	450	500	Standard
700-1202-056	Molded design. Perforated concentric shield. Integral	Cut Monitor In-tank. Continuous with insulating liquids	1-1/2" NPT	2"	1.63"	PEEK & 316SS	250	1500	450	500	Standard
700-1202-061	Molded design. Higher pressure Solid concentric shield with slot Remote	Cut Monitor Pipes ≥ 8"	1-1/2" NPT	2"	1.66"	PEEK & 316SS	250	1000	450	300	Standard



## Sensing Element Reference Guide

Sensing Element	Special Characteristics	Primary Application	Std Process Conn.	Min. Flange	Active Dia. (In)	Std Wetted Parts	Temp 1 (Deg F)	Press. 1 (PSI)	Temp 2 (Deg F)	Press. 2 (PSI)	Cooling Ext. Req'd Temp (Deg F)
700-1202-062	Molded design. Higher pressure Solid concentric shield with slot Integral	Cut Monitor Pipes $\geq 8"$	1-1/2" NPT	2"	1.66"	PEEK & 316SS	250	1000	450	300	Standard
700-1202-081	Molded design. Very high pressure. Solid concentric shield with slot Remote	Cut Monitor Pipes $\geq 8"$	1-1/2" NPT	2"	1.66"	PEEK & 316SS	250	1500	450	500	Standard
700-1202-082	Molded design. Very high pressure. Solid concentric shield with slot. Integral	Cut Monitor Pipes $\geq 8"$	1-1/2" NPT	2"	1.66"	PEEK & 316SS	250	1500	450	500	Standard
700-1202-401	Molded design. with RTD. Integral	Cut Monitor with Temp Comp	3/4" NPT	1"	0.375	PEEK & 316SS	450	200			Standard
700-1202-402	Molded design. with RTD. Integral	Cut Monitor with Temp Comp	3/4" NPT	1"	0.375	PEEK & 316SS	250	1000	450	300	Standard
700-1202-411	Molded design. Perforated concentric shield with RTD. Integral	Cut Monitor with Temp Comp In-tank	1-1/2" NPT	2"	1.63"	PEEK & 316SS	450	200			Standard
700-1202-412	Molded design. Higher pressure Perforated concentric shield with RTD. Integral	Cut Monitor with Temp Comp In-tank	1-1/2" NPT	2"	1.63"	PEEK & 316SS	250	1000	450	300	Standard

## Sensing Element Reference Guide

Sensing Element	Special Characteristics	Primary Application	Std Process Conn.	Min. Flange	Active Dia. (In)	Std Wetted Parts	Temp 1 (Deg F)	Press. 1 (PSI)	Temp 2 (Deg F)	Press. 2 (PSI)	Cooling Ext. Req'd Temp (Deg F)
700-1202-421	Molded design. Solid concentric shield with slot with RTD. Integral	Cut Monitor with Temp Comp. Pipes $\geq 8"$	1-1/2" NPT	2"	1.66"	PEEK & 316SS	450	200			Standard
700-1202-422	Solid concentric shield with slot for Cut Monitor with RTD	Cut Monitor with Temp Comp Pipes $\geq 8"$	1-1/2" NPT	2"	1.66"	PEEK & 316SS	250	1000	450	300	Standard
700-1202-541	Molded design. Minimum qty and long lead time	Corrosive liquids	3/4" NPT	1"	0.375	PEEK & Hastelloy C	250	1000	450	300	Standard
700-1230-002	2" Spool assembly. Remote	Cut Monitor	Flange	2"	2" pipe	PEEK and 316 SS or CS	250	1000	450	300	Standard
700-1230-003	3" Spool assembly. Remote	Cut Monitor	Flange	3"	3" pipe	PEEK and 316 SS or CS	250	1000	450	300	Standard
700-1230-004	4" Spool assembly. Remote	Cut Monitor	Flange	4"	4" pipe	PEEK and 316 SS or CS	250	1000	450	300	Standard
700-1230-102	2" Spool assembly. Integral	Cut Monitor	Flange	2"	2" pipe	PEEK and 316 SS or CS	250	1000	450	300	Standard
700-1230-103	3" Spool assembly. Integral	Cut Monitor	Flange	3"	3" pipe	PEEK and 316 SS or CS	250	1000	450	300	Standard
700-1230-104	4" Spool assembly. Integral	Cut Monitor	Flange	4"	4" pipe	PEEK and 316 SS or CS	250	1000	450	300	Standard

## Sensing Element Reference Guide

Sensing Element	Special Characteristics	Primary Application	Std Process Conn.	Min. Flange	Active Dia. (In)	Std Wetted Parts	Temp 1 (Deg F)	Press. 1 (PSI)	Temp 2 (Deg F)	Press. 2 (PSI)	Cooling Ext. Req'd Temp (Deg F)
700-1230-402	2" Spool assembly. Integral with RTD	Cut Monitor with Temp Comp	Flange	2"	2" pipe	PEEK and 316 SS or CS	250	1000	450	300	Standard
700-1230-403	3" Spool assembly. Integral with RTD	Cut Monitor with Temp Comp	Flange	3"	3" pipe	PEEK and 316 SS or CS	250	1000	450	300	Standard
700-1230-404	4" Spool assembly. Integral with RTD	Cut Monitor with Temp Comp	Flange	4"	4" pipe	PEEK and 316 SS or CS	250	1000	450	300	Standard
700-3201-001	3A Sanitary Remote	Pharmaceutical Food & Beverage	1-1/2" tri-clamp	1-1/2" tri-clamp	Length Dependent	PEEK & 316SS	250	200			N/A
700-3201-002	3A Sanitary Integral	Pharmaceutical Food & Beverage	1-1/2" tri-clamp	1-1/2" tri-clamp	Length Dependent	PEEK & 316SS	250	200			N/A