

Aquatronix

ATI 857 DynaProbe Industrial pH and ORP Sensors

ATI 857 Retraction DynaProbe Industrial pH and ORP Sensors

The ST857 is a rugged, sealed, replacement sensor designed for insertion / retraction applications. The **Patented solid state reference cell** features

the unique **IonTrap™** design for extended service life in the most severe applications. The body, with an integral bulb guard and anti-blowout restraint, is moulded from chemically resistant Kynar(PVDF) and the reference junction is porous Te on. Built-in temperature compensators are available. Sensor also available in Redox (ORP) version. Also ts TBI / Bailey Model TB557 "Hot Tap" sensor assemblies.

Specification

pH Range: 0-14 pH

Redox Range: ± 5000 mV

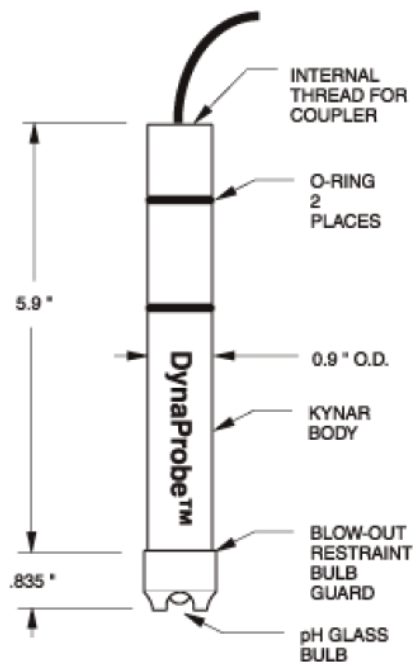
Temp Range: 0 -120° C

Max Pressure/Temp: 100 psig at 90° C

Reference: Ag-AgCl

Wetted Materials: Kynar, Teflon, Glass
and Viton O-rings

Standard cable length: 7 Feet



Please use this information to build your part number. If you need any assistance call us on 1-800-668-3979

Part	No.	1	2	3	4	-	5	6	7	8	9
ATI857	—	—	—	—	—	—	—	—	—	—	—

1 - Liquid Junction

[W] Recessed Coaxial Wood

[R] Recessed Coaxial Teflon

2-3 - Measurement Electrode

[33] pH, HT-3 Rugged Dome Bulb

[43] pH, HT-4 High pH bulb (for pH 13 and above)

[PB] Redox, Platinum Band

4 — Temperature Compensator:

[0] T.C. not required

[1] 3K Ohms

[D] Pt 100 Ohms

[H] Pt 1000 Ohms

5 — Cable Type:

[A] Low Noise Coax (< 80°C service)

[E] Jacketed Coax w/TC leads (<80°C service)

[T] Teflon Coax (>80°C service)

[U] jacketed Teflon Coax w/TC leads (>80°C service)

6-7 — Cable Length:

[07] 7 ft. standard length

[xx] Specify length (in ft) above 7 ft standard length

8-9 — Required Sensor Connectors:

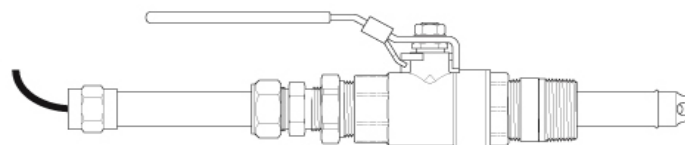
[FB] BNC for pH & ferrules on all other leads

[BC] BNC for pH & Redox only (no TC)

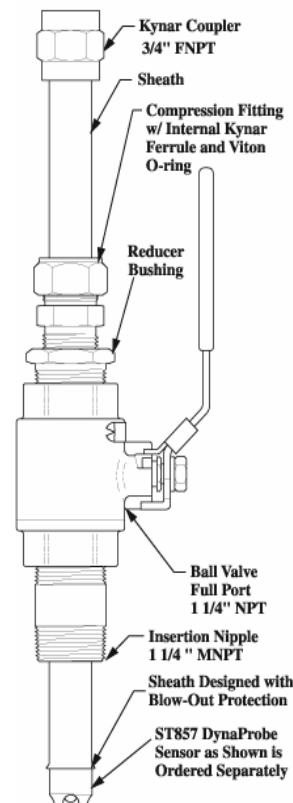
[FF] All ferrule connectors (use with terminal strip)

[B1] BNC for pH, Stripped and tinned leads for T/C.
(use with Terminal Block)

Housing Model SA857 must be ordered separately



Model SA857 Valve Retraction Sensor Housing



Accessories:

ATI-1001 15" Titanium sheath c/w CPVC retainer (3/4" MNPT)

ATI-1002 15" Titanium sheath c/w PVDF retainer (1/2" MNPT)

ATI-2001 15" Titanium sheath c/w CPVC retainer (3/4" MNPT)

ATI-2002 15" 316SS sheath c/w PVDF retainer (1/2" MNPT)

ATI-1-BT Compression fitting, 316SS c/w Kynar ferrule

ATI-86-106 1-1/4" FP 316SS ballvalve c/w reducer bushing

For extension cables contact Bestobell-Aquatronix

Note: ATI 956, same as ATI 856 but with conductive body material for solution grounding.

BESTOBELL
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SINCE/DEPUIS 1953

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