

Aquatronix

ATI 851/ ATI 951 Twist Lock DynaProbe

Industrial pH and ORP Sensors

BESTOBELL
AQUATRONIX

SINCE / DEPUIS 1953

BEP-Bestobell

www.bestobell.com

ATI 851 / ATI 951 Twist Lock DynaProbe Industrial pH and ORP Sensors

The ATI 851 is a rugged, sealed industrial pH or ORP sensor assembly designed for in-line or submersion applications in most industrial measurements, including waste water. They have proven ability to outperform conventional sensors in the toughest process applications. The **patented solid state reference cell** features the unique **IonTrap™** design for extended service life in the most severe applications. The body is moulded from chemically resistant Ryton (PPS) and the reference junction is either porous Teflon or wood.

Built-in temperature compensators are available. Optional sensor guard locks onto the front of the sensor and protects the sensor tip from impact. Sensor also available in ORP (Redox) version.

Specification

pH Range: 0-14 pH

Redox Range: ± 5000 mV

Temp Range: 0 -140° C

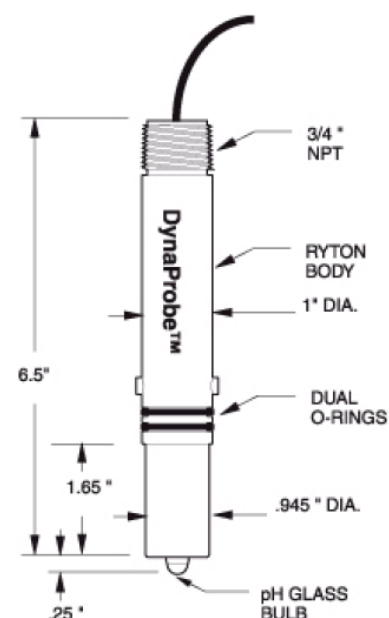
Max Pressure/Temp: 50 psig at 120° C

Reference: Ag-AgCl

Wetted Materials: Ryton, Teflon or wood, Glass and

Viton O-rings

Standard cable length: 7 Feet



Model ATI 851



Options.....

pH DynaProbe™ with Rugged Dome pH Bulb.

Choice of either Teflon or Wood Coaxial Liquid Junction

Designed to withstand the toughest industrial applications for best overall performance.

pH DynaProbe™ with Flat pH Bulb.

Choice of Teflon Coaxial Liquid Junction only.

Designed for obstructionless contact with the sample stream for self cleaning service.

ORP DynaProbe™ with Platinum Band.

Choice of either Teflon or Wood Coaxial Liquid Junction

Designed for measuring the Oxidation- Reduction Potential of the sample.

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

Part No.	1	2	3	4	-	5	6	7	8
ST851	—	—	—	—	—	—	—	—	—

1 — Measurement Electrode

- [3] Hemi-bulb glass 0/140°C, 0-14 pH (standard)
- [4] Flat glass, 0/100° C, 0 -14 pH
- [5] Platinum band ORP (+ /- 5000 mV)
- [H] Alkali resistant glass (for pH 13 and above)
- [K] Silver billet ORP +/- 5000 mV (free Cyanide activity)

2 — Integral Thermocompensator:

- [0] None
- [1] 3KΩ Balco, tinned leads (standard)
- [2] 3KΩ Balco, c/w extension cable connector
- [3] PT 100
- [5] 10KΩ

3 — Liquid Junction:

- [1] Wood
- [3] Porous Teflon
- [4] Porous Teflon – only with #4 FLAT glass

4 — Body Style:

- [0] Ryton (PPS) body

5 — Accessories:

- [0] Integral Ryton twist-lock ears
- [F] All Ferrule connectors (no BNC connector for pH)

6 — Integral Sensor Cable:

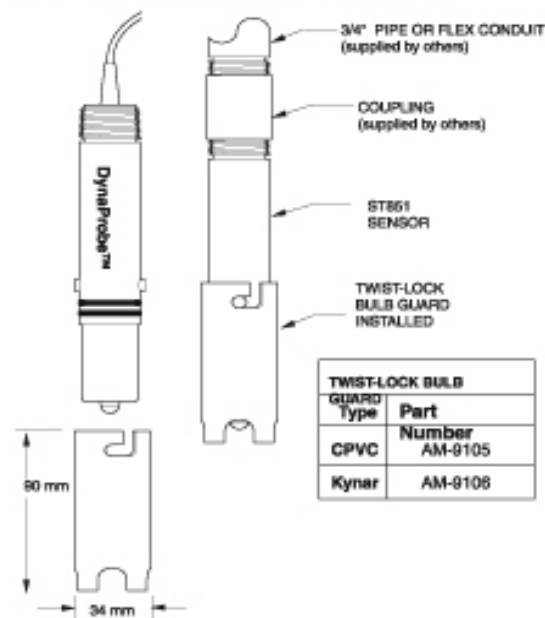
- [F] Feet
- [M] Meters
- [FF] All Ferrule connectors (for use with Terminal block or Terminal Strip)

7-8 — Cable Length:

- [07] Standard Length (7 standard feet); BNC connector
- [XX] 1 to 6 or 8 to 30 feet (specify); BNC or Ferrule connectors)

SUBMERSION INSTALLATION:

The Model ST851 is readily converted into a submersion sensor by the installation of a twist-lock bulb guard.



Accessories:

ATI-0120T CPVC twist-lock submersible guard

ATI-0117 Epoxy twist-lock 1" MNPT adaptor

For extension cables contact Bestobell-Aquatronix

Note: ATI 951, same as ATI 851 but with conductive body material for solution grounding.

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