

Industrial pH Electrode

INP150E



INP150E-01



INP150E-02



INP150E-11



INP150E-12



INP150E-16

The INP150E Series Industrial pH Electrodes are specially designed for accurate pH measurement in demanding industrial processes involving high alkalinity, elevated temperatures, and challenging chemical environments. These electrodes provide stable and repeatable measurements even in applications containing high sodium ion concentrations, heavy metals, sulfides, and organic contaminants. Double junction reference protects against contamination from heavy metals, organics and sulfides.

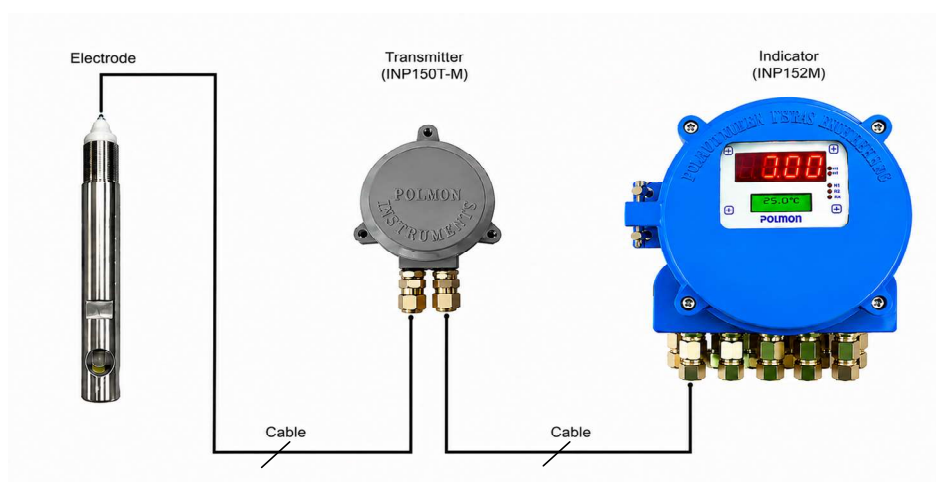
Features

- Amber glass pH electrode for high sodium ion concentration solution.
- Double junction electrode to protect against contaminations from heavy Metals, organics and sulphides.
- Directly pluggable to immersion assembly
- Industrial Grade SS316L, PTFE and PP construction. Which meets the highest requirement of the pharmaceutical industry.
- Immersion (or) Flow-through installation options.

Applications:

- Water & Wastewater Treatment
- Chemical Processing Plants
- Pharmaceutical Manufacturing
- Food & Beverage Industry
- Pulp & Paper Industry
- Reactor Application
- Scrubber Application

Architecture



Specifications For INP150E

Technical						
Model No	INP150E-01	INP150E-03	INP150E-11	INP150E-12	INP150E-15	INP150E-16
Electrode Type:	Amber Glass Double Junction					
Liquid Junction	Annular Ring					
pH Range	0-14pH	0-14pH	0-14pH	0-14pH	0-14pH	0-14pH
Operating Temperature	5-90°C	5-90°C	5-90°C	5-90°C	5-90°C	5-90°C
Cable Length	5mtr					
Termination Type	Cable Lugs					
Cable Type	Coaxial 2Wire, Teflon low noise shielded cable					
Material	SS316L	PP	PTFE	PP	SS316L	SS316L
Orings	Viton-'O'-rings					
Process Connection	3/4" NPT (M)	1" NPT (M)	1" BSP (M)	1" NPT(M)	1" BSP (M)	3/4" NPT (M)
Application	Immersion	Immersion	Immersion	Flow Through	Flow Through (or) Immersion	Flow Through
Insertion Depth	Connection to the required extension pipe		Connection to the required extension pipe	45mm	45mm	45mm
Dimmension (mm)	OD:27 Length: 155	OD:32 Length: 155	OD:50 Length: 155	OD:27 Length: 155	OD: 32 Length: 155	OD: 32 Length: 155
Pressure	75psi					
Wetted Parts	Glass, SS316L	Glass, PP	Glass PTFE	Glass, PP	Glass, SS316L	Glass, SS316L
ATC Sensor	Inbuilt	Inbuilt	Inbuilt	External (Order separately)	External (Order separately)	External (Order separately)

Specifications For INP150S

Technical			
Model No	INP150S-01	INP150S-04	INP150S-05
Measurement Range	-30°C to 130°C		
Element Type	RTD pt 100 Class A, thin film type.		
Accuracy	±(0.15+0.002 * t)° C Where 't' is the measured		
Sensor Material	SS316L	SS316L	PP
Sheath diameter	OD: 4mm	OD: 8mm	OD: 8mm
Cable Type	7/34, AWG 3Core Teflon		
Sensor Length	50mm		
Cable length	5Mtr. Extn. Cable.		
Process Connection	NA	3/4" NTP (M)	1" NPT (M)

Ordering Information for INP150E		
INP150E	XX	Remarks
Model No	Enclosure type	
INP150E	01 – ¾" NPT SS High Alkaline Electrode (With ATC).	Not Required.
	03 – 1" NPT PP High Alkaline Electrode (With ATC).	Not Required.
	08 – Non Standard Electrode.	Provide Details.
	11 – 1" BSP Teflon High Alkaline Electrode (With ATC).	Not Required.
	12 – 1" NPT PP Flow High Alkaline Electrode (Without ATC).	Order ATC probe INP150S-05 separately.
	15 – 1" BSP Teflon Flow High Alkaline Electrode (Without ATC).	Order ATC probe INP150S-05 separately.
	16 – 3/4" NPT SS Flow High Alkaline Electrode (Without ATC)	Order ATC probe INP150S-04 separately.

Ordering Information for INP150S	
INP150S	XX
Model No	Probe type
INP150S	01 – 4 ATC Probe (2" Length, Extension 300cm)
	04 – 3/4" NPT SS Flow Through
	05 – 1" NPT PP Flow Through