

SPECIFICATION


pH Range	pH 0 to 12 pH
Slope (pH 7 to pH 4 buffer)	165 to 180 mV (93 to 102%) at 25°C
Offset (in pH 7 buffer)	0 mV ±30 mV at 25°C
Accuracy	±0.03 pH unit
Response Time	<10 seconds at 25°C (95% Response)
Operating Temperature Range	0 to 80°C
Operating Pressure Range	0 to 90 psi at 25°C
pH Glass Resistance	<200 Mohm at 25°C
Reference Junction Resistance	<50 Kohm at 25°C
pH Glass Type	GX-2
Reference Junction/Type	Annular Junction/Sealed
Reference Solution	4M KCl/AgCl (1E)
Temperature Compensation (T.C.)	N/A
pH/Ref Shipping Cap	10ml Soaker Bottle
Shipping Cap Solution	4M KCl/pH 4 buffer (50/50)

QC PROCEDURES

Slope	165 to 180 mV at 25°C	Ⓢ
Offset (Asymmetry Potential)	0 mV ± 30 mV	
Visual Check	Crooked Epoxy Cap	

F	changed to the old style epoxy with o-rings	1/14/2016	Mahasti	Calvin
E	changed to the new style internal	1/4/2016	Mahasti	Anthony
B	removed the part number	1/17/2014	Mahasti	Anthony
C	was (183 to 186 mV slope)	3/2010	Mahasti	Kurt
B	changed from black bulb cap to the soaker bottle	2/2010	Mahasti	Kurt
		3/2009	Mahasti	Anthony
Revision	Description	Date	By	Approval



SZ1093 pH&ORP\SZ1093 Spec	Drawn: W. Kk.	 NIEUWKOOP SZ1093 Combo pH, SJ, Epoxy, No Guard
	Date: 12/1/1998	
	Appr:	
	Date:	
	Scale: 1:1	
Mat's: Gold Epoxy		