



## Redfish Sensors

360 S. Adkins Way Suite A

Meridian Idaho 83642

208.475.3587 ph.

877-786-4698 fax

877-253-5755 toll free

[www.redfishsensors.com](http://www.redfishsensors.com)

[sales@redfishsensors.com](mailto:sales@redfishsensors.com)

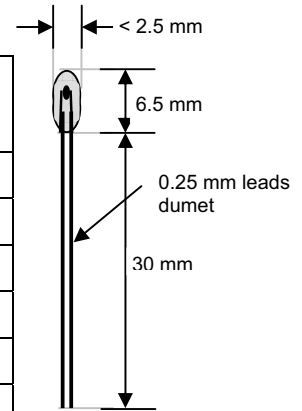
Product : NTC BEAD GLASS PROBE

Redfish Part No. : RBGP-XXXX

Specifications : R<sub>25</sub> 10K, 30K, 100KΩ  
+/- 20%

## Glass Probe Thermistors Data Sheet – TYPE RBGP

Sr No	Parameters	RBGP-103M	RBGP-303M	RBGP-104M
1	Resistance @ 25°C	10K	30K	100K
2	Tolerance	± 20 %	± 20 %	± 20 %
3	B ( 25/85 )	3590 ± 3 %	3602 ± 3 %	4080 ± 3 %
4	Ratio R0 / R50	7.04 ± 5 %	7.04 ± 5 %	9.1 ± 5 %
5	Ratio R25 / R125 ( nom )	20.5	21.3	31.2
6	Operating Temp	- 55°C to +150°C	- 55°C to +150°C	- 55°C to +150°C
7	Time Constant ( nom)	22 secs	22 secs	22 secs
8	Dissipation Constant (nom)	1.7 mW/°C	1.7 mW/°C	1.7 mW/°C
9	Options	<ul style="list-style-type: none"> <li>▪ Tolerance ± 10% &amp; ± 5%</li> <li>▪ Higher Temp rating</li> <li>▪ Glass bead length of probe 12.5 mm</li> <li>▪ Bead sealed in glass tube tip</li> <li>▪ Smaller sizes for faster response</li> <li>▪ Matched Pairs</li> </ul>		



Temp °C	10K			30K			100K		
	R <sub>t</sub>	α %/°C	Tol %	R <sub>t</sub>	α %/°C	Tol %	R <sub>t</sub>	α %/°C	Tol %
-50	539.4	6.8	29.3	1404	6.3	29.3	9517	7.7	29.4
-40	275.1	6.2	27.7	744.3	5.9	27.7	4397	7.1	27.8
-30	147.9	5.8	26.3	412.6	5.5	26.3	2161	6.6	26.4
-20	83.32	5.3	25.0	238.0	5.2	25.0	1122	6.1	25.0
-10	48.97	5.0	23.7	142.4	4.8	23.7	611.3	5.7	23.7
0	29.88	4.6	22.5	88.05	4.5	22.5	347.9	5.3	22.5
10	18.86	4.3	21.4	56.09	4.3	21.4	205.9	4.9	21.4
20	12.27	4.1	20.3	36.72	4.0	20.3	126.2	4.6	20.3
25	10.00	3.9	20.0	30.00	3.9	20.0	100.0	4.5	20.0
30	8.205	3.8	20.5	24.65	3.8	20.5	79.84	4.3	20.7
40	5.627	3.6	21.6	16.93	3.6	21.6	51.99	4.1	21.6
50	3.948	3.4	22.5	11.88	3.4	22.5	34.75	3.8	22.5
60	2.828	3.2	23.3	8.497	3.2	23.3	23.78	3.6	23.3
70	2.065	3.0	24.1	6.187	3.0	24.1	16.64	3.4	24.1
80	1.534	2.8	24.9	4.580	2.9	24.9	11.88	3.2	24.9
90	1.158	2.7	25.6	3.443	2.7	25.6	8.633	3.0	25.6
100	0.887	2.6	26.3	2.625	2.6	26.3	6.382	2.9	26.3
110	0.689	2.4	26.9	2.028	2.5	26.9	4.793	2.7	26.9
120	0.542	2.3	27.5	1.587	2.4	27.5	3.651	2.6	27.5
130	0.432	2.2	28.1	1.255	2.3	28.1	2.819	2.5	28.2
140	0.347	2.1	28.4	1.004	2.2	28.4	2.204	2.4	28.5
150	0.282	2.0	29.2	0.811	2.1	29.2	1.743	2.3	29.2

Specifications can be fully customized. Maxm temp range upto 300°C available.