



**H&B Sensors Ltd**

Odyssey House | Durban Road | Bognor Regis | West Sussex | PO22 9RH | UK

t: +44 [0]1243 866866  
 e: info@hbsensors.com  
 w: www.hbsensors.com

Description

RTD Sensor With S/D Flanged Thermowell

Drawing Number

RFA101

## RFA101 – RTD Sensor with Solid Drilled Flanged Thermowell

RFA101

<b>Sensor Configuration</b>	
Simplex	S
Duplex	D
Triplex	T
<b>Sensor Wiring</b>	
2 Wire	2
3 Wire	3
4 Wire	4
<b>Sensor Type</b>	
Pt100	100
Pt1000	1000
<b>Sensor Class</b>	
Class B	B
Class A	A
1/3 DIN	3
1/5 DIN	5
1/10 DIN	10
<b>Approvals</b>	
ATEX/IECEX Exia II 1 GD	IA
ATEX/IECEX Exd II 2 GD	XD
None	X
<b>Connection Head</b>	
Type 11 (Aluminium)	11
Type 16 (Aluminium)	16
Type 44 (316 Stainless Steel)	44
Type 46W (Plastic)	46W
Type 55/A (Aluminium)	55A
Type 55/S (316 Stainless Steel)	55S
<b>Termination</b>	
150mm Tails	TA
Ceramic Terminal Block	TB
HBS4100 Temperature Transmitter	41
HBS4400 Temperature Transmitter (Exia)	44
HBS4600 Temperature Transmitter (Exia, HART)	46
HBS5500 Temperature Transmitter & Indicator (HART)	55
HBS5600 Temperature Transmitter & Indicator (Exia, HART)	56
<b>Indicator</b>	
HBS3300	33
HBS3700 (Battery Powered)	37
HBS5500 Temperature Transmitter & Indicator (HART)	55
HBS5600 Temperature Transmitter & Indicator (Exia, HART)	56
None	X
<b>Extension</b>	
Nipple & Locknut	NL
Nipple Union Nipple	NU
None	X
<b>Extension Length (N)</b>	
50mm	50
75mm	75
100mm	100
150mm	150
Xmm	X
None	X
<b>Flange Size</b>	
1"	1
1 1/2"	15
2"	2
2 1/2"	25
DN25	D25
DN40	D40
DN50	D50
DN80	D80

<b>Flange Rating</b>	
150lb	<b>150</b>
300lb	<b>300</b>
600lb	<b>600</b>
900lb	<b>900</b>
1500lb	<b>1500</b>
PN16	<b>P16</b>
PN25	<b>P25</b>
PN40	<b>P40</b>
<b>Flange Type</b>	
Raised Face	<b>RF</b>
Flat Face	<b>FF</b>
Ring Type Joint	<b>RJ</b>
<b>Construction</b>	
Seal Welded	<b>1</b>
Full Penetration Welded	<b>2</b>
One Piece Forged	<b>3</b>
<b>Heat Treatment</b>	
NACE MR0175/ISO 15156	<b>HT</b>
None	<b>X</b>
<b>Immersion Length (U)</b>	
Xmm	<b>X</b>
<b>Root Ø (M)</b>	
Xmm	<b>X</b>
<b>Tip Ø (S)</b>	
Xmm	<b>X</b>
<b>Tip Thickness</b>	
5mm	<b>5</b>
Xmm	<b>X</b>
<b>Lagging (T)</b>	
50mm	<b>50</b>
Xmm	<b>X</b>
<b>Material</b>	
304/304L Stainless Steel	<b>304</b>
310 Stainless Steel	<b>310</b>
316/316L Stainless Steel	<b>316</b>
Alloy C276	<b>276</b>
Alloy 400	<b>400</b>
Alloy 600	<b>600</b>
Alloy 601	<b>601</b>
Alloy 625	<b>625</b>
Alloy 800	<b>800</b>
<b>Design Temperature</b>	
Low (-196°C to +100°C)	<b>L</b>
Standard (-50°C to +250°C)	<b>S</b>
High (-50°C to +650°C)	<b>H</b>

**Example Ordering Code:**

RFA101-S-3-100-A-X-11-41-X-NL-75-2-300-RF-1-X-150-26.5-20-5-50-316-S