



## RTA101 – RTD Sensor with Solid Drilled Threaded Thermowell

RTA101

|  |             |
|--|-------------|
| <b>Sensor Configuration</b>                              |             |
| Simplex  | <b>S</b>    |
| Duplex   | <b>D</b>    |
| Triplex  | <b>T</b>    |
| <b>Sensor Wiring</b>                                     |             |
| 2 Wire   | <b>2</b>    |
| 3 Wire   | <b>3</b>    |
| 4 Wire   | <b>4</b>    |
| <b>Sensor Type</b>                                       |             |
| Pt100  | <b>100</b>  |
| Pt1000   | <b>1000</b> |
| <b>Sensor Class</b>                                      |             |
| Class B  | <b>B</b>    |
| Class A  | <b>A</b>    |
| 1/3 DIN  | <b>3</b>    |
| 1/5 DIN  | <b>5</b>    |
| 1/10 DIN   | <b>10</b>   |
| <b>Approvals</b>   |             |
| ATEX/IECEX Exia II 1 GD                                  | <b>IA</b>   |
| ATEX/IECEX Exd II 2 GD                                   | <b>XD</b>   |
| None   | <b>X</b>    |
| <b>Connection Head</b>                                   |             |
| Type 11 (Aluminium)                                      | <b>11</b>   |
| Type 16 (Aluminium)                                      | <b>16</b>   |
| Type 44 (316 Stainless Steel)                            | <b>44</b>   |
| Type 46W (Plastic)                                       | <b>46W</b>  |
| Type 55/A (Aluminium)                                    | <b>55A</b>  |
| Type 55/S (316 Stainless Steel)                          | <b>55S</b>  |
| <b>Termination</b>                                       |             |
| 150mm Tails  | <b>TA</b>   |
| Ceramic Terminal Block                                   | <b>TB</b>   |
| HBS4100 Temperature Transmitter                          | <b>41</b>   |
| HBS4400 Temperature Transmitter (Exia)                   | <b>44</b>   |
| HBS4600 Temperature Transmitter (Exia, HART)             | <b>46</b>   |
| HBS5500 Temperature Transmitter & Indicator (HART)       | <b>55</b>   |
| HBS5600 Temperature Transmitter & Indicator (Exia, HART) | <b>56</b>   |
| <b>Indicator</b>   |             |
| HBS3300  | <b>33</b>   |
| HBS3700 (Battery Powered)                                | <b>37</b>   |
| HBS5500 Temperature Transmitter & Indicator (HART)       | <b>55</b>   |
| HBS5600 Temperature Transmitter & Indicator (Exia, HART) | <b>56</b>   |
| None   | <b>X</b>    |
| <b>Extension</b>   |             |
| Nipple & Locknut   | <b>NL</b>   |
| Nipple Union Nipple                                      | <b>NU</b>   |
| None   | <b>X</b>    |
| <b>Extension Length (N)</b>                              |             |
| 50mm   | <b>50</b>   |
| 75mm   | <b>75</b>   |
| 100mm  | <b>100</b>  |
| 150mm  | <b>150</b>  |
| Xmm  | <b>X</b>    |
| None   | <b>X</b>    |
| <b>Thread Size</b>                                       |             |
| 1/4"   | <b>14</b>   |
| 1/2"   | <b>12</b>   |
| 3/4"   | <b>34</b>   |
| 1"   | <b>1</b>    |
| <b>Thread Type</b>                                       |             |
| BSPP   | <b>BP</b>   |
| BSPT   | <b>BT</b>   |

|                             |            |
|-----------------------------|------------|
| NPT                         | <b>NT</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:**

RTA101-S-3-100-A-X-11-41-X-NL-75-12-BP-150-16-12.5-5-50-316-S