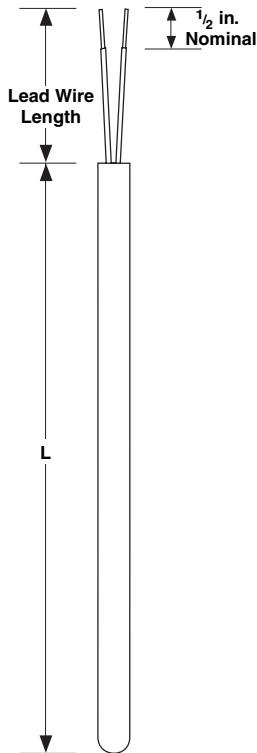


# RTDs and Thermistors

## RTD Style RB

### Standard Industrial Insulated Leads



### Features and Benefits

#### High accuracy

- Dependable readings

#### Customized diameters

- From 0.125 to 0.250 inch

#### Epoxy sealed

- Resist moisture and pull out
- Standard 260°C (500°F) potting

#### Durable rigid sheath

- 316 stainless steel -50 to 260°C (-58 to 500°F)

#### Internal heat transfer paste

- Quick time response

① Certain option combinations must be furnished with a transition between the sheath and lead wire, consult factory if transition is unacceptable.

② May require transition.

③ Requires two- or three-wire, single element only.

\* One inch sheath length for 0.188 diameter requires a crimp tube within the last half inch of the tube.

## Rapid Ship Sensors

Rapid Ship sensors come with 100Ω DIN 0.00385 curve, 316 stainless steel, 0.188 inch diameter, TFE three-wire, four foot leads, temperature rating -50 to 260°C (-58 to 500°F), standard split end lead termination and no mounting fittings. See page 166 to order additional connector hardware.

| Class Accuracy | Sheath Length in. (mm) | Part Number 4 foot (102 mm) Leads |
|----------------|------------------------|-----------------------------------|
| A              | 2 (51)                 | RBHB0TA020BA040                   |
|                | 4 (102)                | RBHB0TA040BA040                   |
|                | 6 (152)                | RBHB0TA060BA040                   |
|                | 9 (229)                | RBHB0TA090BA040                   |
|                | 12 (305)               | RBHB0TA120BA040                   |

**Custom Ordering Information**—Items in **Bolded Green Type** are preferred with shorter lead times.

|  |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
|--|-------------------------------|----------------|----------------|---|---|---|---|---|---|----|----|----|----|----|----|
|  | 1                             | 2              | 3              | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 |
|  | R                             | B              |                |   |   |   | A |   |   |    |    |    |    |    |    |
| <b>3. Sheath O.D. (inch)</b>                               | _____                         |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| G = 0.125  |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>H = 0.188</b>   |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>J = 0.250</b>   |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>4. Lead Wire Construction</b> ①                         | _____                         |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
|  | Standard Overbraid Flex Armor |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| Fiberglass Stranded  | <b>A</b>                      | J <sup>②</sup> | R <sup>②</sup> |   |   |   |   |   |   |    |    |    |    |    |    |
| PFA or TFE Stranded  | <b>B</b>                      | L <sup>②</sup> | T <sup>②</sup> |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>5. Fittings</b>   | _____                         |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| If required, enter order code from pages 39 to 40.         |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>If none, enter "0".</b>                                 |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>6. Lead Wire Termination</b>                            | _____                         |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| A <sup>③</sup> = Standard male plug 200°C (400°F)          |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| B <sup>③</sup> = Standard female plug                      |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| C <sup>③</sup> = Standard plug with mating connector       |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| J <sup>③</sup> = Male miniature plug                       |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| K <sup>③</sup> = Female miniature jack                     |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| L <sup>③</sup> = Male/female mini set                      |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>T = Standard leads</b>                                  |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| U = Leads with spade lugs                                  |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>7. Sheath Construction</b>                              | _____                         |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>A = 316 SS</b>  |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>8-9. Sheath Length "L" (inch)</b>                       | _____                         |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>02, 04 and 06</b>                                       |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| Whole inches: 01* to 99                                    |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| Metric lengths and lengths over 99 inches consult factory. |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>10. Sheath Length "L" (fractional inch)</b>             | _____                         |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>0 = No fraction, whole inches</b>                       |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| 1 = 1/8    3 = 3/8    5 = 5/8    7 = 7/8                   |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| 2 = 1/4    4 = 1/2    6 = 3/4                              |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>11. Element</b>   | _____                         |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
|  | 2-wire                        | 3-wire         | 4-wire         |   |   |   |   |   |   |    |    |    |    |    |    |
| 100Ω Single  | A                             | <b>B</b>       | C              |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>12. Temperature Coefficient</b>                         | _____                         |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| DIN 0.00385  |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>A = Class A</b>   |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>B = Class B</b>   |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>13-14. Lead Wire Length (foot)</b>                      | _____                         |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>02 and 04</b>   |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| Whole feet: 01 to 99                                       |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>15. Special Requirements</b>                            | _____                         |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| <b>0 = None</b>  |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |
| X = Special requirements, consult factory                  |                               |                |                |   |   |   |   |   |   |    |    |    |    |    |    |