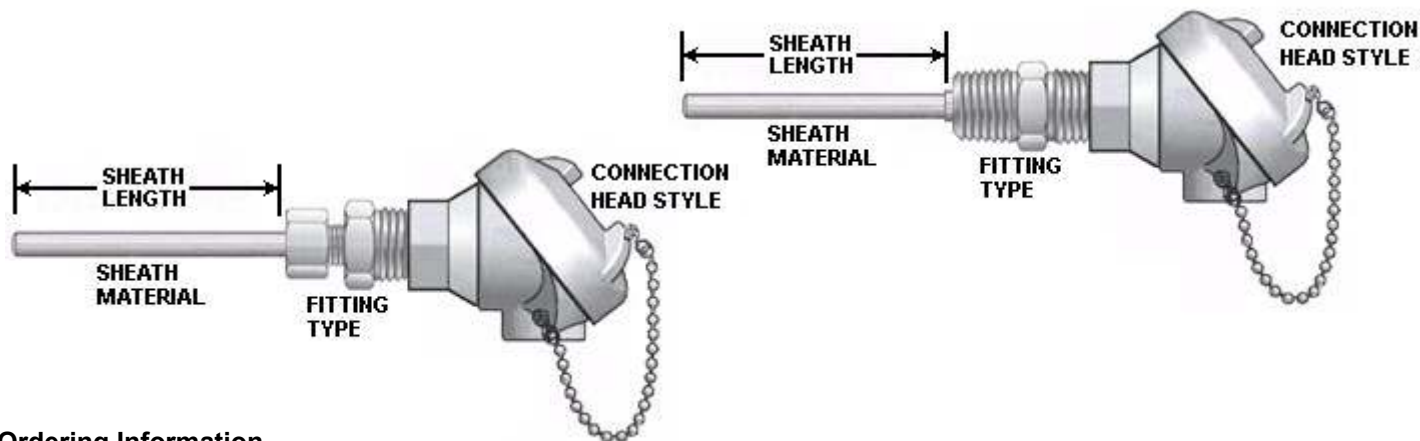


Series RK1 RTD with Connection Head



Ordering Information Part Number

| ① RK1 | ② Element Type | ③ Element Accuracy | ④ Wire Config. | ⑤ Sheath Diameter | ⑥ Sheath Length (whole In.) | ⑦ Sheath Length (frac. In.) | ⑧ Head Mounting fitting | ⑨ Connection head style | ⑩ Special Features | ⑪ Attached Fitting | ⑫ Insert Length (whole In.) | ⑬ Insert Length (frac.) | ⑭ Trans. temp range | ⑮ Scale of Temp. |
|----------|-------------------|-----------------------|-------------------|----------------------|--------------------------------|--------------------------------|----------------------------|----------------------------|-----------------------|-----------------------|--------------------------------|----------------------------|------------------------|---------------------|
| RK1 | | | | | | | | | | | | | | |

Optional

| ② Element type | ② Element type |
|-------------------|------------------------------------|
| T | 100 Ω DIN 00385 (thin film) |
| U | 500 Ω DIN 00385 (thin film) |
| W | 1000 Ω DIN 00385 (thin film) |
| X | 120 Ω Nickel DIN 00672 (thin film) |
| Y | 100 Ω DIN 003916 (wire wound) |
| Z | 500 Ω DIN 003916 (wire wound) |
| Q | 10 Ω copper (thin film) |

| ⑥ Sheath Length (whole In.) | ⑥ Sheath Length (whole In.) |
|--------------------------------|---|
| 002"-060" | Specify in Inches |
| Note | For longer lengths consult factory |

| ⑦ Sheath Length (fractional In.) | ⑦ Sheath Length (fractional In.) |
|-------------------------------------|-------------------------------------|
| A | 0 |
| B | 1/8" |
| C | 1/4" |
| D | 3/8" |
| E | 1/2" |
| F | 5/8" |
| G | 3/4" |
| H | 7/8" |

| ⑧ Head Mounting Fitting | ⑧ Head Mounting Fitting |
|----------------------------|---|
| 06 | 1/2"npt x 1/2"npt double thread |
| 07 | 1/2"npt double thread Spring loaded |
| 08 | 1/2"npt x 1/2"npt double thread spring loaded w/oil seal |
| 09 | 1/2"npt x 3/4"npt double thread |
| 10 | 3/4"npt x 3/4"npt double thread |
| 12 | Single threaded brass compression fitting (no process thread) |
| 13 | Single threaded stainless compression fitting (no process thread) |
| 14 | 1/2"npt x 1"npt double thread |
| 15 | 1/2"npt x 1/4"npt double thread |
| 16 | 1/4"npt x 1/4"npt double thread |
| 17 | 1/2"npt single thread bushing (no process thread) |
| 18 | 1/4"npt single thread bushing (no process thread) |
| Note | Fittings silver soldered (brazed) to sheath |
| Note | For other fittings not shown contact factory |

| ⑨ Connection Head Style | ⑨ Connection Head Style |
|----------------------------|--|
| A | Cast Aluminum (standard) NEMA 6 IP67 rated |
| B | Small cast Aluminum |
| C | Flip top head cast aluminum |
| D | Cast steel |
| E | Stainless Steel |
| F | Cast Iron |
| G | Polypropylene |
| H | Explosion proof cast aluminum |
| Q | Explosion proof 316 Stainless steel |
| R | Explosion proof cast aluminum DUAL conduit |
| S | Mini aluminum screw down cover |
| W | Cast Aluminum NEMA 4X IP68 rated |

| ③ Element Accuracy (0 °C) | ③ Element Accuracy (0 °C) |
|------------------------------|------------------------------|
| A | Class A (0.06%) |
| B | Class B (0.12%) |

| ④ Wire Configuration | ④ Wire Configuration |
|-------------------------|-------------------------|
| 2 | 2-wire |
| 3 | 3-wire |
| 4 | 4-wire |
| 5 | 2-wire (Dual) |
| 6 | 3-wire (Dual) |

| ⑤ Sheath Diameter | ⑤ Sheath Diameter |
|----------------------|---|
| H | .125" (3.2mm) (1/8") |
| J | .156" (4mm) |
| L | .188" (4.6mm) (3/16") |
| M | .236 (6mm) |
| N | .250" (6.4mm) (1/4") |
| P | .314" (8mm) (5/16") |
| Q | .375" (9.5mm) (3/8") |
| Note | For reference only (standard tolerances apply) |
| Note | For other diameters consult factory |

| ⑩ Special features (optional) | ⑩ Special features (optional) |
|----------------------------------|----------------------------------|
| Note | See next page |

| ⑪ Attached Fitting (optional) | ⑪ Attached Fitting (optional) |
|----------------------------------|----------------------------------|
| Note | See next page |

| ⑫ Insertion length (whole in.) | ⑫ Insertion length (whole in.) |
|-----------------------------------|-----------------------------------|
| Note | See next page |

| ⑬ Insertion Length (frac.in.) | ⑬ Insertion Length (frac.in.) |
|----------------------------------|----------------------------------|
| Note | See next page |

| ⑭ Transmitter Temperature Range | ⑭ Transmitter Temperature Range |
|------------------------------------|------------------------------------|
| Note | See next page |

| ⑮ Transmitter scale of temperature | ⑮ Transmitter scale of temperature |
|---------------------------------------|---------------------------------------|
| Note | See next page |

**See next page for optional
attached fittings
& special features
(Fields 10,11,12,13,14 &15)**

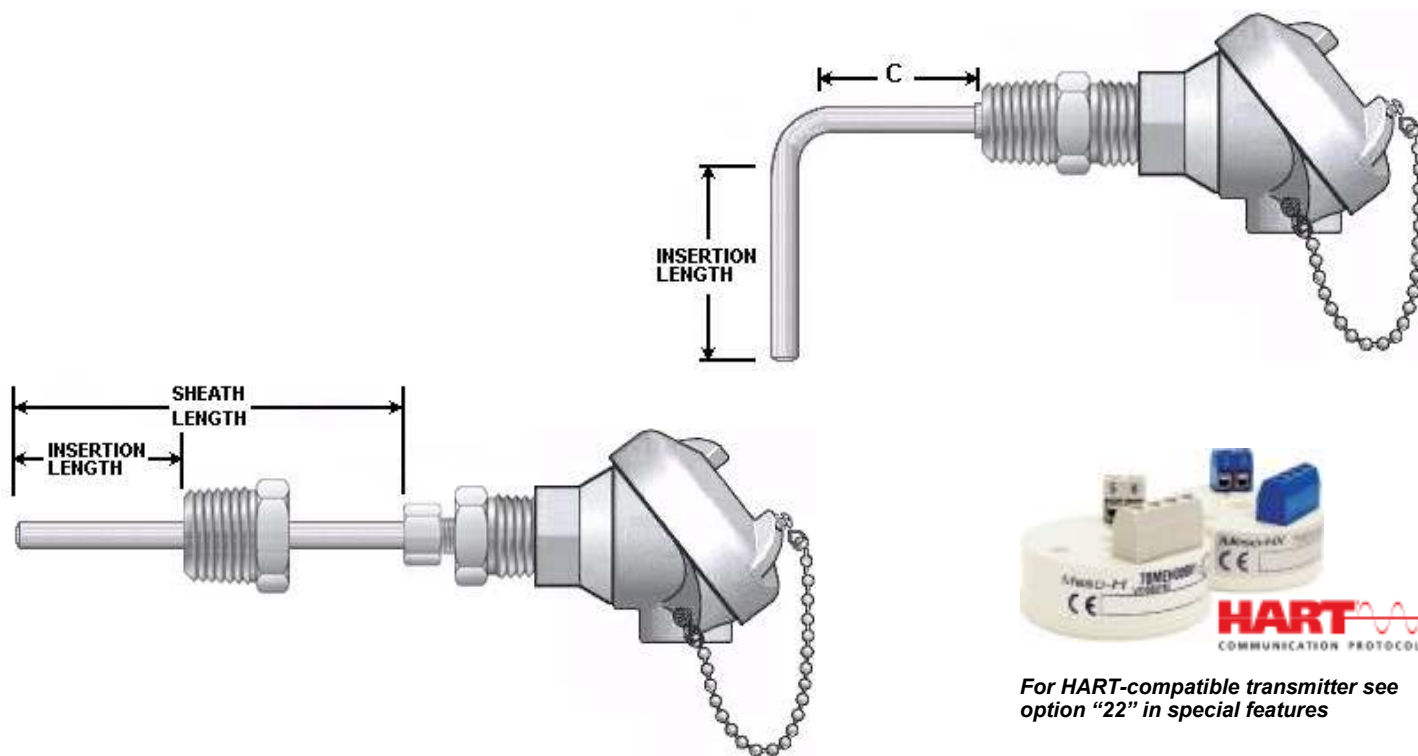
*For Low profile, basic programmable
4/20 MA transmitter see option "17"
in special features*



SOUTHWEST HEATER AND CONTROLS

Series RK1

RTD with Connection Head - Attached Fittings and Special Features



For HART-compatible transmitter see option "22" in special features

Ordering Information

| ⑩ Special Features | ⑪ Attached Fitting | ⑫ Insertion Length (whole in.) | ⑬ Insertion Length (Frac.in.) |
|--------------------|--------------------|--------------------------------|-------------------------------|
| | | | |

For transmitter only

| ⑭ Transmitter temperature range | ⑮ Scale of Temperature |
|---------------------------------|------------------------|
| | |

Continue part number from previous page

| ⑩ | Special features (Optional) |
|------|--|
| Note | Leave blank for no special features |
| 04 | Flat tip probe |
| 17 | 4/20 Milliamp transmitter (hockey puck style) (See step 14&15) |
| 24 | Fluoropolymer covered probe |
| 28 | 90 Degree bend |
| 30 | 45 Degree bend |

| ⑪ | Attached Fitting type (optional) |
|------|---|
| Note | Leave blank for no attached fitting |
| F01 | 1/8"npt single thread |
| F02 | 1/4"npt single thread |
| F03 | 3/8"npt single thread |
| F04 | 1/2"npt single thread |
| F05 | 3/4"npt single thread |
| F06 | 1/2"npt x 1/2"npt double thread |
| F07 | 1/2"npt double thread Spring loaded |
| F08 | 1/2"npt x 1/2"npt double thread Spring loaded w/oil seal |
| F09 | 1/2"npt x 3/4"npt double thread |
| F10 | 3/4"npt x 3/4"npt double thread |
| F11 | Fixed 7/16"ID bayonet cap assembly (on probe) (1/8"OD, 3mmOD & 3/16"OD) |
| F15 | 1"npt single thread |
| F16 | Adjustable 7/16"ID bayonet cap fitting (1/8"OD & 3mm OD) |
| F17 | Adjustable 12.5mm ID double slot bayonet cap fitting (1/8"OD & 3mm OD) |
| F18 | 1/8"npt compression fitting (Brass) |
| F19 | 1/8"npt compression fitting (Stainless steel) |
| F20 | 1/4"npt compression fitting (Brass) |
| F21 | 1/4"npt compression fitting (Stainless steel) |
| Note | For other fittings not shown contact factory |

| ⑫ | Insertion Length (in.) (optional) |
|-----------|--|
| 001"-144" | Specify in Inches |
| Note | See pg. for attached fitting illustrations |

| ⑬ | Insertion Length (fractional in.) |
|---|-----------------------------------|
| A | 0 |
| B | 1/8" |
| C | 1/4" |
| D | 3/8" |
| E | 1/2" |
| F | 5/8" |
| G | 3/4" |
| H | 7/8" |



Option "17"
4/20 Milliamp transmitter
(hockey puck style)

For transmitter only

| ⑭ | Transmitter temperature range (Optional) |
|--------|---|
| 0-0000 | Specify temperature range (example: 0-1200°F) |

| ⑮ | Transmitter Scale of temperature (Optional) |
|---|---|
| F | (°F) Fahrenheit |
| C | (°C) Celsius |

SOUTHWEST HEATER AND CONTROLS

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