

## Mineral Insulated Thermocouple Sensors

Mineral Insulated Thermocouples are extremely rugged and flexible, able to withstand temperatures up to 1100°C (pot seal max temp 200°C). Available in Thermocouple Types J, K & T. The probes can be bent to enable fitting in awkward locations, they are particularly suitable for industrial applications including high pressure, high vacuum and high vibration. The thermocouple junction is located at the tip of the sensor and is insulated from the sheath.

### Dimensions Available

Sheath Lengths : 150mm & 250mm

Diameters : 1.5mm, 3mm & 6mm

- Mineral Insulated Construction (Flexible)
- Thermocouple Types J, K & T
- Terminated With 1000mm PFA Flat Pair Cable
- 310SS Sheath
- Temperature Range -100°C to +1100°C

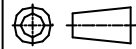


### Global Part No.

### Description

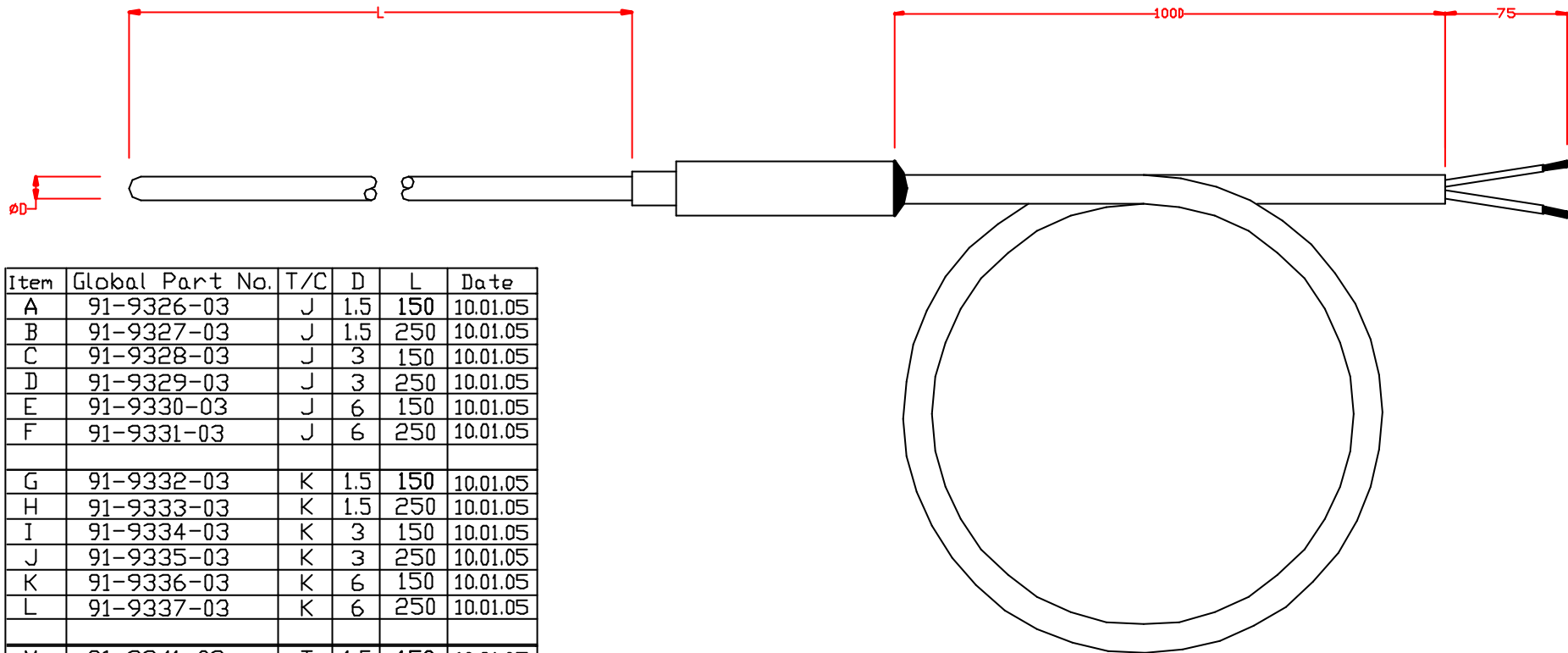
|            |                             |
|------------|-----------------------------|
| 91-9326-03 | Type 'J' M.I. 1.5mm x 150mm |
| 91-9327-03 | Type 'J' M.I. 1.5mm x 250mm |
| 91-9328-03 | Type 'J' M.I. 3.0mm x 150mm |
| 91-9329-03 | Type 'J' M.I. 3.0mm x 250mm |
| 91-9330-03 | Type 'J' M.I. 6.0mm x 150mm |
| 91-9331-03 | Type 'J' M.I. 6.0mm x 250mm |
| 91-9332-03 | Type 'K' M.I. 1.5mm x 150mm |
| 91-9333-03 | Type 'K' M.I. 1.5mm x 250mm |
| 91-9334-03 | Type 'K' M.I. 3.0mm x 150mm |
| 91-9335-03 | Type 'K' M.I. 3.0mm x 250mm |
| 91-9336-03 | Type 'K' M.I. 6.0mm x 150mm |
| 91-9337-03 | Type 'K' M.I. 6.0mm x 250mm |
| 91-9341-03 | Type 'T' M.I. 1.5mm x 150mm |
| 91-9342-03 | Type 'T' M.I. 1.5mm x 250mm |
| 91-9343-03 | Type 'T' M.I. 3.0mm x 150mm |
| 91-9344-03 | Type 'T' M.I. 3.0mm x 250mm |
| 91-9345-03 | Type 'T' M.I. 6.0mm x 150mm |
| 91-9346-03 | Type 'T' M.I. 6.0mm x 250mm |

ALL DIMENSIONS METRIC



THIRD ANGLE PROJECTION

DO NOT SCALE



| Item | Global Part No. | T/C | D   | L   | Date     |
|------|-----------------|-----|-----|-----|----------|
| A    | 91-9326-03      | J   | 1.5 | 150 | 10.01.05 |
| B    | 91-9327-03      | J   | 1.5 | 250 | 10.01.05 |
| C    | 91-9328-03      | J   | 3   | 150 | 10.01.05 |
| D    | 91-9329-03      | J   | 3   | 250 | 10.01.05 |
| E    | 91-9330-03      | J   | 6   | 150 | 10.01.05 |
| F    | 91-9331-03      | J   | 6   | 250 | 10.01.05 |
| G    | 91-9332-03      | K   | 1.5 | 150 | 10.01.05 |
| H    | 91-9333-03      | K   | 1.5 | 250 | 10.01.05 |
| I    | 91-9334-03      | K   | 3   | 150 | 10.01.05 |
| J    | 91-9335-03      | K   | 3   | 250 | 10.01.05 |
| K    | 91-9336-03      | K   | 6   | 150 | 10.01.05 |
| L    | 91-9337-03      | K   | 6   | 250 | 10.01.05 |
| M    | 91-9341-03      | T   | 1.5 | 150 | 10.01.05 |
| N    | 91-9342-03      | T   | 1.5 | 250 | 10.01.05 |
| O    | 91-9343-03      | T   | 3   | 150 | 10.01.05 |
| P    | 91-9344-03      | T   | 3   | 250 | 10.01.05 |
| Q    | 91-9345-03      | T   | 6   | 150 | 10.01.05 |
| R    | 91-9346-03      | T   | 6   | 250 | 10.01.05 |

| ISSUE | MODIFICATION       | DRAWN | APP  | DATE     | SHEET 1 OF 1 SHEETS. | THIS DRAWING REMAINS THE PROPERTY OF GLOBAL LIMITED AND MAY NOT BE REPRODUCED WITHOUT OUR PERMISSION. | TOLERANCE                               | TITLE                                 | DRAWN | CHECKED | DATE     | GLOBAL MEASUREMENT AND CONTROL LTD.                                                                                               |
|-------|--------------------|-------|------|----------|----------------------|-------------------------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------|-------|---------|----------|-----------------------------------------------------------------------------------------------------------------------------------|
| 1     | For Reference Only | S.A.  | S.A. | 10/01/05 | MATERIAL             |                                                                                                       | X.X ± 0.50<br>X.X ± 0.25<br>X.XX ± 0.10 | General Purpose Thermocouple Assembly | S.A.  |         | 10.01.05 | UNIT 17, FORD LANE BUSINESS PARK<br>FORD LANE, NR ARUNDEL<br>WEST SUSSEX BN18 0JZ<br>TELEPHONE: 01243 555277<br>FAX: 01243 555177 |
| 2     |                    |       |      |          |                      |                                                                                                       |                                         |                                       |       |         |          |                                                                                                                                   |
| 3     |                    |       |      |          | FINISH               |                                                                                                       |                                         | PART NUMBER 91-9326-03 to 91-9346-03  |       |         |          |                                                                                                                                   |
| 4     |                    |       |      |          | CLEAN & BURR FREE    | SCALE N.T.S.                                                                                          |                                         | DRAWING NUMBER XX-XXXX-XX             |       |         |          |                                                                                                                                   |