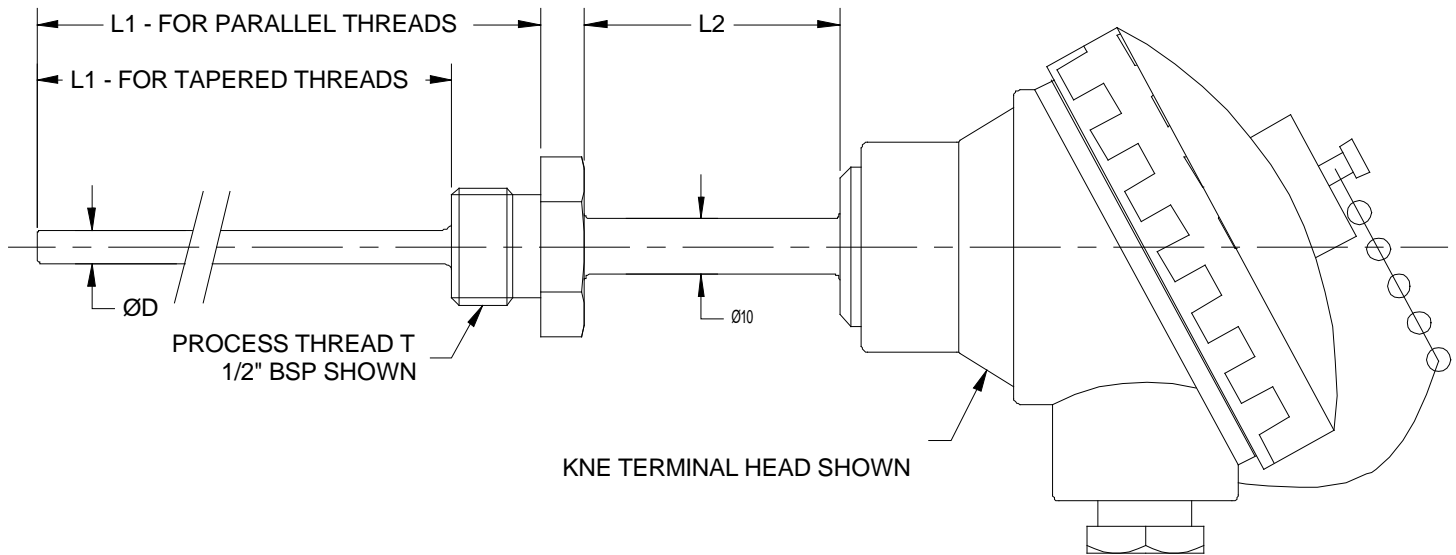


## PPL5-P Pt100 Sensor with Process Thread & Extension

Our PPL5 sensor has a fixed male process connection thread plus a lagging extension beneath a terminal head giving the user the ability to screw the sensor directly into a process or thermowell without the need for a compression fitting. The lagging extension allows the terminal head to be mounted away from the process in order to protect any electronics housed within it or to allow the head to sit above any insulation. We can manufacture the sensor stem to your own diameter and length requirements and we have plenty of options available for the sensor and terminal head.



Specifications	
Sensor Type	Platinum Resistance Thermometer—Pt100 or Pt1000
Operating Range	-50 to 250°C (Unless Otherwise Requested)
Sheath Material	316 stainless steel
Tolerance Band	Class B, Class A, 1/3 DIN, 1/5 DIN or 1/10 DIN
Wiring System	2, 3 or 4 wire, Simplex or Duplex
Head Types	A - KNE Aluminium Alloy, IP68 B - KSE Aluminium Alloy, IP68 C - ABS, IP67 D - Glass Filled Nylon, IP65 E - 316 stainless steel, IP68 (Other heads available upon request)
Head Options	A - Ceramic Terminal Block B - In Head Transmitter—SEM203P (Specify Range) C - Tails for Customers Own Transmitter

# IMPRESS

SENSORS & SYSTEMS

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Pressure - Temperature - Level - Flow - Analytical - Control - Indication - Data logging

PPL5-P

- - - - - - - - - - - XXX

| Sensor Type |   |
|-------------|---|
| Pt100       | A |
| Pt1000      | B |

| Number of wires |   |
|-----------------|---|
| 2 wire          | 2 |
| 3 wire          | 3 |
| 4 wire          | 4 |

| No. of detectors |   |
|------------------|---|
| Simplex          | S |
| Duplex           | D |

| Tolerance |   |
|-----------|---|
| Class A   | A |
| Class B   | B |
| 1/3 DIN   | C |
| 1/5 DIN*  | D |
| 1/10 DIN* | E |

\* Not available for Pt1000

| Sheath Dia - ØD |     |
|-----------------|-----|
| 3.0mm*          | 30  |
| 1/8"            | 32  |
| 4.0mm           | 40  |
| 4.5mm           | 45  |
| 3/16"           | 48  |
| 5.0mm           | 50  |
| 6.0mm           | 60  |
| 6.4mm           | 64  |
| 8.0mm           | 80  |
| 10.0mm          | 100 |
| 12.0mm          | 120 |
| 15.0mm          | 150 |

\*Not available with Duplex detector

| Specials Code         |  |
|-----------------------|--|
| Refer to Sales Office |  |

| Head Options |   |
|--------------|---|
| Block        | 1 |
| Transmitter* | 2 |
| Tails        | 3 |

\*Not available with KS head

| Head Type |   |
|-----------|---|
| KNE       | A |
| KSE*      | B |
| ABS       | C |
| Nylon     | D |
| St/Steel  | E |

| Extension Length L2 |  |
|---------------------|--|
| Enter length in mm  |  |

| Thread Size T |   |
|---------------|---|
| 1/4" BSP      | A |
| 1/2" BSP      | B |
| 3/4" BSP      | C |
| 1" BSP        | D |
| 1/4" BSPT     | E |
| 1/2" BSPT     | F |
| 3/4" BSPT     | G |
| 1" BSPT       | H |
| 1/2" NPT      | I |
| 3/4" NPT      | J |

| Sheath Length L1   |  |
|--------------------|--|
| Enter length in mm |  |

NOTE: Some option combinations not possible

This data sheet gives details of the most popular options available for this type of sensor but is not intended to give an exhaustive list of possibilities. If you have a special requirement, please contact our sales office for assistance.

Visit the website: [www.impress-sensors.co.uk](http://www.impress-sensors.co.uk)