

**Threaded Thermowell with Fixing Screw YPTS**

| THERMOWELL WITH FIXING SCREW YPTSx   |                | DIMENSIONS * |                |    |           |                    |                |                    |                |                  |
|--|----------------|--------------|----------------|----|-----------|--------------------|----------------|--------------------|----------------|------------------|
|  |                | FORM         | E              | SW | N [mm]    | D1 [mm]            | K1 [mm]        | d1 [mm]            | d [mm]         | F1 [mm]          |
| <p><b>BORED DESIGN (B)</b></p> <p><math>L = U + K1 + T + 6</math>; <math>U1 = U + K1</math></p> <p><b>Maximum probe length:</b> <math>n = L - 10</math></p> <p><b>Maximum pressure:</b> 100 bar</p> <p>Manufactured from solid HEX or round bar.</p>   |                | 1 **         | M20x1.5; G1/2" | 24 | 14.5 **** | 23                 | 15             | 7 / 9 / 11         | 6 / 8 / 10     | 13 / 15 / 17     |
|  |                |              | 1/2" NPT       | 22 | -         | ≈ 20               |                |                    |                |                  |
|  |                | 2 ***        | M20x1.5; G1/2" | 24 | d1        | 23                 | 15             |                    |                |                  |
|  |                |              | 1/2" NPT       | 22 | -         | 20                 |                |                    |                |                  |
| <p><b>WELDED DESIGN (W)</b></p> <p><math>L = U + K1 + T + 6</math></p> <p><math>U1 = U + K1</math></p> <p><b>Maximum probe length:</b> <math>n = L - 5</math></p> <p><b>Maximum pressure:</b> 25 bar</p>   |                | 1 **         | M16x1.5; G3/8" | 22 | 14.5 **** | 21                 | 13             | 6 / 8 / 9(10)      | 5 / 6 / 8      | 8 / 10 / 12      |
|  |                |              | 3/8" NPT       | -  |           | 15                 |                |                    |                |                  |
|  |                |              | M18x1.5        | -  |           | 13                 |                |                    |                |                  |
|  |                |              | M20x1.5; G1/2" | 24 |           | 23                 | 15             | 6 / 8 / 9(10) / 11 | 5 / 6 / 8 / 10 | 8 / 10 / 12 / 14 |
|  |                |              | 1/2" NPT       | 22 | -         | 20                 |                |                    |                |                  |
|  |                | 2 ***        | M16x1.5; G3/8" | 19 | d1        | 18                 | 13             | 6 / 8 / 9(10)      | 5 / 6 / 8      | 8 / 10 / 12      |
|  |                |              | 3/8" NPT       | -  |           | 15                 |                |                    |                |                  |
|  |                |              | M18x1.5        | -  |           | 13                 |                |                    |                |                  |
|  | M20x1.5; G1/2" | 24           | 23             | 15 |           | 6 / 8 / 9(10) / 11 | 5 / 6 / 8 / 10 | 8 / 10 / 12 / 14   |                |                  |
|  | 1/2" NPT       | 22           | -              | 20 |           |                    |                |                    |                |                  |
| <p><b>Free probe length:</b> <math>n \geq U1 + 13</math></p> <p><b>Fixing screw:</b> M4, stainless steel</p> <p><b>Extension length:</b> <math>T = 0 \dots 100</math> mm (NPT thread) or <math>T = 2 \dots 100</math> mm (cylindrical thread)</p> <p><b>Maximum temperature:</b> 450 °C</p> <p>* Other dimensions are available on request. Please contact COMECO!</p> <p>** for temperature gauges</p> <p>*** for TS probes</p> <p>**** gauge neck + 0.5 mm</p> |                |              |                |    |           |                    |                |                    |                |                  |

**Ordering code YPTS\* - G4.G6.G7.G9.G10**

| Feature or option                              | Code values  |
|--|--|
| <b>*</b> Design                                | <b>B1</b> - bored, FORM1, <b>B2</b> - bored, FORM2, <b>W1</b> - welded, FORM1, <b>W2</b> - welded, FORM2   |
| <b>G4</b> Probe diameter 'd' [mm]              | <b>5, 6, 8, 10</b>   |
| <b>G6</b> Length 'U1' [mm]                     | <b>30...300</b> (see table above)  |
| <b>G7</b> Extension length 'T' [mm]            | <b>0...100</b> (see table above)   |
| <b>G9</b> Connection thread 'E' <sup>(1)</sup> | <b>X</b> - none <sup>(2)</sup> , <b>Q0</b> - M16x1.5, <b>Q1</b> - M18x1.5, <b>Q2</b> - M20x1.5, <b>Q3</b> - G3/8", <b>Q4</b> - G1/2", <b>Q9</b> - 3/8" NPT, <b>Q10</b> - 1/2" NPT, <b>Z</b> - other (specify!) |
| <b>G10</b> Material                            | <b>M1</b> - 1.4301, <b>M2</b> - 1.4541 <sup>(2)</sup> , <b>M3</b> - 1.4571 <sup>(2)</sup> , <b>M9</b> - 1.4404 or 1.4435, <b>Z</b> - other (specify!) <sup>(2)</sup>   |

<sup>(1)</sup> Applicable for the selected probe diameter

<sup>(2)</sup> Contact COMECO!