

Standard Probes

Operating and storage temperature range: 4-50 °C.

Available as *vacuum compatible*.

Probes are not electrically damaged by contact with the sensing tip.

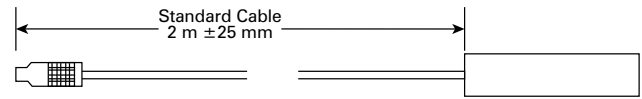
Range is determined by the probe Sensing Area diameter — the larger the diameter, the larger the range.

Sensing Areas are coded by diameter in mm (e.g. 0.8, 13).

Flat target surface diameter must be 1.3 times larger than sensing area diameter.

Measurement Ranges and other performance specifications are dependent on the selected driver model.

Different probe body styles/sizes are available for each sensing area diameter.



Sensing Area



Probe Model Numbers

Probe model numbers are a combination of the Body Model number and Sensing Area Diameter (e.g. C3-0.8 or R45-19).

| Size/Shape | Body Model | Mechanical | Sensing Area Diameter (mm) | Measurement Ranges (by Driver Model) | | |
|------------------|------------|------------|--|--|------------------------------|-------------------------|
| | | | | CPL190 CPL290 μm mils | Compact Driver μm mils | CPA100 μm mils |
| 3 mm Cylindrical | C3S | | 0.5 | 10, 50, 80 0.4, 2.0, 3.0 | — | 50, 80 2.0, 3.0 |
| | | | 0.8 | 25, 100 1.0, 4.0 | — | 100 4.0 |
| | C3R | | 0.5 | 10, 50, 80 0.4, 2.0, 3.0 | — | 50, 80 2.0, 3.0 |
| | | | 0.8 | 25, 100 1.0, 4.0 | — | 100 4.0 |
| 5 mm Cylindrical | C5 | | 0.5 | 10, 50, 80 0.4, 2.0, 3.0 | — | 50, 80 2.0, 3.0 |
| | | | 0.8 | 25, 100 1.0, 4.0 | — | 100 4.0 |
| | | | 2.0 | 10, 50, 250, 500 0.4, 2.0, 10.0, 20.0 | 50, 250 2.0, 10.0 | 250, 500 10.0, 20.0 |
| | C5S | | 0.5 | 10, 50, 80 0.4, 2.0, 3.0 | — | 50, 80 2.0, 3.0 |
| | | | 0.8 | 25, 100 1.0, 4.0 | — | 100 4.0 |
| | | | 2.0 | 10, 50, 250, 500 0.4, 2.0, 10.0, 20.0 | 50, 250 2.0, 10.0 | 250, 500 10.0, 20.0 |
| C5R | | 0.5 | 10, 50, 80 0.4, 2.0, 3.0 | — | 50, 80 2.0, 3.0 | |
| | | 0.8 | 25, 100 1.0, 4.0 | — | 100 4.0 | |
| | | 2.0 | 10, 50, 250, 500 0.4, 2.0, 10.0, 20.0 | 50, 250 2.0, 10.0 | 250, 500 10.0, 20.0 | |
| 20 mm Rectangle | R20 | | 5.6 | 50, 500, 2000 2.0, 20.0, 80.0 | 50, 500 2.0, 20.0 | 500, 2000 20.0, 80.0 |

| Size/Shape | Body Model | Mechanical | Sensing Area Diameter (mm) | Measurement Ranges (by Driver Model) | | | |
|----------------------------|------------|------------|-------------------------------|---|--|---------------------------------|-------------------------|
| | | | | CPL190 CPL290 μm mils | Compact Driver μm mils | CPA100 μm mils | |
| 8 mm Cylindrical | C8 | | | 2.0 | 10, 50, 250, 500 0.4, 2.0, 10.0, 20.0 | 50, 250 2.0, 10.0 | 250, 500 10.0, 20.0 |
| | | | | 3.2 | 50, 500, 1250 2.0, 20.0, 50.0 | 50, 500 2.0, 20.0 | 500, 1250 20.0, 50.0 |
| | C8S | | | 2.0 | 10, 50, 250, 500 0.4, 2.0, 10.0, 20.0 | 50, 250 2.0, 10.0 | 250, 500 10.0, 20.0 |
| | | | | 3.2 | 50, 500, 1250 2.0, 20.0, 50.0 | 50, 500 2.0, 20.0 | 500, 1250 20.0, 50.0 |
| | C8R | | | 2.0 | 10, 50, 250, 500 0.4, 2.0, 10.0, 20.0 | 50, 250 2.0, 10.0 | 250, 500 10.0, 20.0 |
| | | | | 3.2 | 50, 500, 1250 2.0, 20.0, 50.0 | 50, 500 2.0, 20.0 | 500, 1250 20.0, 50.0 |
| 9.5 mm (3/8\") Cylindrical | C9.5 | | | 5.6 | 50, 500, 2000 2.0, 20.0, 80.0 | 50, 500 2.0, 20.0 | 500, 2000 20.0, 80.0 |
| | C9.5S | | | 5.6 | 50, 500, 2000 2.0, 20.0, 80.0 | 50, 500 2.0, 20.0 | 500, 2000 20.0, 80.0 |
| | C9.5R | | | 5.6 | 50, 500, 2000 2.0, 20.0, 80.0 | 50, 500 2.0, 20.0 | 500, 2000 20.0, 80.0 |
| 18 mm Cylindrical | C18 | | | 13 | 2000, 3200, 5000 80, 125, 200 | — | 3200, 5000 125, 200 |
| 25 mm Cylindrical | C25 | | | 21 | 8000, 12500 300, 500 | — | 8000, 12500 300, 500 |
| 45 mm (1.75\") Rectangular | R45 | | | 19 | 2500, 6000 100, 250 | 2500 100 | 2500, 6000 100, 250 |