

THERMOWELL AND SENSOR HOUSING



INTRODUCTION

We specialize in fully customized brass, aluminum and stainless-steel sensor components designed for OEMs across automation, industrial machinery, HVAC, and process control industries. Since every sensor part is uniquely engineered, this brochure highlights our capabilities instead of standard models.

MANUFACTURING CAPABILITIES

- CNC Turning (± 0.1 mm tolerance)
- CNC Milling and Slotting
- Deep hole drilling up to 150 mm
- Internal cavities and complex geometries
- Custom threading: NPT, BSP, Metric, UNF
- Laser marking and logo engraving



MATERIAL OPTIONS

- Brass (CZ121, CW614N, Lead-free brass)
- Stainless steel (SS303, SS304, SS316)
- Aluminum (option for lightweight assemblies)



PRODUCT CATEGORIES

- **Sensor Housings:** Hex/round body, deep cavity, cable entry, bracket-mounted
- **Thermowells:** Straight, stepped, tapered, threaded, flanged
- **Sensor Mounts:** Adapters, sleeves, locknuts, protective caps
- **Connectors:** Custom bodies, M8/M12 styles, threaded shells



CUSTOMIZATION OPTIONS

- Thread size & orientation
- Length, OD, ID up to 60 mm
- Machined slots, grooves, sealing faces
- Surface finish (Natural, Nickel Plated)
- Custom assemblies with O-rings, washers, inserts



THREAD SAFETY

We ensure all threaded components meet strict international thread safety standards. Each thread is inspected using gauges to confirm:

- Compatibility with NPT, BSP, Metric, and UNF standards
- Correct pitch and depth
- Smooth engagement without play
- Burr-free finishing



Request a custom quote

Email your drawing or requirement description to our team. We respond within 24 hours with pricing, lead time, and technical suggestions.

