

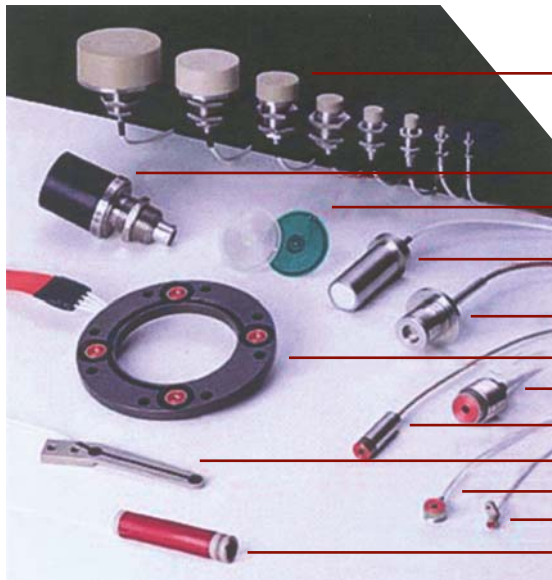


# IXTHUS

Instrumentation

**Non Contact Position Measurement**  
*Inductive Capacitive Ultrasonic Laser*

## Inductive - Eddy Current



400° F engineered plastic/stainless steel water resistant cable exit

100g. shock  
10g. peak vibration

PC coil  
Custom housings  
1000°F, 5000 psi  
Custom housings  
500°F, 20,000 psi

Custom multisensor mounting  
High performance coils  
Space-flight coils  
Integral w/customer tooling  
Cryogenic 4°K  
Custom mount  
Linear coils

**Range** > 0.5 to 65mm  
**Resolution** > 0.001 - 10µm  
**Frequency Response** > up to 50KHz  
**Sealing** > IP67  
**Temperature** > up 205°C (also 800°C)

## Capacitance

**Range** > 25µm to 20mm  
**Resolution** > 0.01nm to 1µm  
**Frequency Response** > 20 to 100KHz  
**Linearity** > 0.02%



## Ultrasonic

**Range** > 150 to 9500mm  
**Resolution** > 0.5 to 2mm  
**Industrial Housings**  
**Analogue and Setpoint Outputs**



## Laser

**Range** > 0.3 to 4500mm  
**Resolution** > 1µm to 0.5mm  
**Frequency Response** > up to 200KHz  
**Analogue and Digital Outputs**

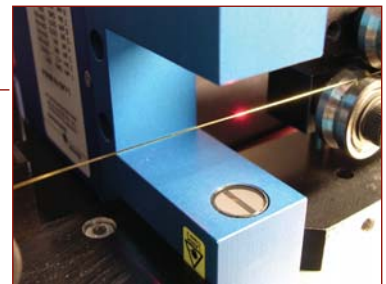


## Laser Long Range

**Range** > 500m  
**Resolution** > 1.5mm  
**Digital and Analogue Outputs**

## Colour

**Three Colour Range Principle**  
**Range** > 18 to 800mm  
**Full Software Control + Analogue Outputs**



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*Inductive Capacitive Ultrasonic Laser*

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Instrumentation

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