

MODEL T11



- **STANDARD SENSOR FOR UK MOD**
- **FAST TRANSIENT RESPONSE**
- **REFERENCE STANDARD**
- **HIGH OPERATIONAL ENDURANCE**
- **LOW COST**

The T11 is a miniature transducer designed to measure underwater explosive shock levels and pressure transients in fluids. The hydrophone is based upon a piezoelectric tourmaline crystal connected to a miniature low noise coaxial cable.

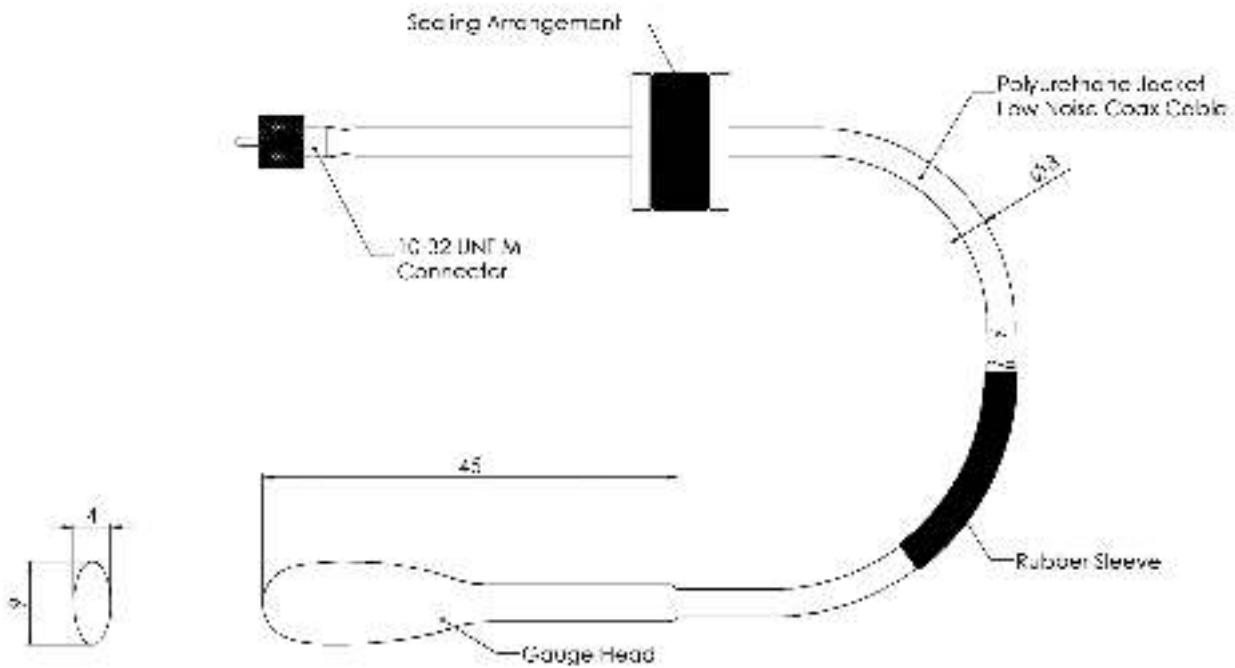
With a rise time of less than $4\mu\text{s}$ and a dynamic pressure range of 0-275 MPa this transducer is intended to measure pressure levels and profiles from underwater explosions.

The T11 is available with or without a certified calibration based upon a dead weight tester.

ACOUSTIC SPECIFICATION

Measurement Pressure Range	0 – 275 Mpa 0 – 40,000 psi
Nominal Charge Sensitivity	0.07 pC / Kpa 0.5 pC / psi
Insulation Resistance	10^5 M Ohms
Rise Time	$< 4\mu\text{s}$

MODEL T11



All dimensions in mm

MECHANICAL SPECIFICATION

Measurement Pressure Range	0 – 275 Mpa 0 – 40,000 psi
Weight Air/Water (with 10m cable)	0.12 kg / 0.08 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø3mm Single Screened LNC
Cable Length	10 metres standard (Additional lengths supplied to order)
Connector Type	10-32 UNF M (Optional adaptor 10-32 UNF F to BNC M)