

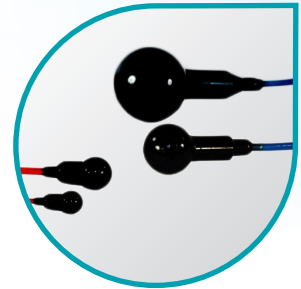
Acoustic Transducers Standard Product Groups



DualSense Series – Reciprocal Transducers

Characteristics: The series covers a wide range of frequencies, horizontally omni-directional, majority have a vertical directionality greater than 270 degrees.

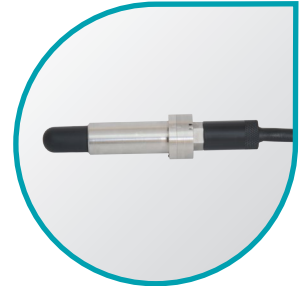
Typical applications: Calibration references, marine mammal audio sensing, environmental noise measurements, air gun and boomer monitors, acoustic reference standards, use in harbour defence systems.



HydroSense Series – Pre-amplified Hydrophones

Characteristics: High receive sensitivity, integrated pre-amplifiers, excellent signal to noise ratios, horizontally omni-directional, operational over a wide frequency range.

Typical applications: Remote monitoring, marine mammal audio sensors, sea-state noise measurements, environmental noise measurements.



SonoFlex Series – Flexural Disc Transducers

Characteristics: High source levels and transmit sensitivities, low frequencies, operational at depths greater than 10m, lightweight, high efficiency.

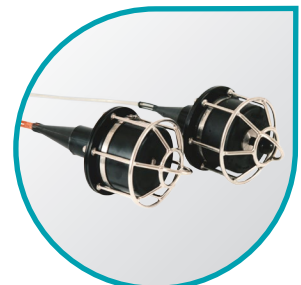
Typical applications: Acoustic reference standards, used as projectors in low-frequency arrays, sound navigation and ranging applications.



SonoTube Series – Communication Transducers

Characteristics: Low frequency, high power projector-receiver transducers, active over 5kHz to 20kHz, broadband, operational to full ocean depth.

Typical applications: Telemetry, underwater wireless communications e.g. communication buoys, use in underwater positioning and navigation systems, underwater telephones, acoustic reference standards.



BroadBand Series – Broadband Projectors

Characteristics: Broadband transducers, high power, often with integrated tuning elements to produce the wide and flat transmit response.

Typical applications: Acoustic reference standards, use in sonar test and evaluation systems, communications and underwater positioning.





Standard Products

Transducer Details

Product name	Resonant frequency	Recommended operational frequency range	Order code
DualSense 012	12kHz	0.01-20kHz	CTG1273-0010
DualSense 030	30kHz	0.01-60kHz	CTG2257-003
DualSense 060H	56kHz	0.01-80kHz	CTG1253-0001
DualSense 060S-BH	56kHz	0.01-80kHz	CTG2128-0001
DualSense 080	80kHz	0.01-125kHz	CTG0708-0001
DualSense 115	115kHz	0.01-150kHz	CTG0691-0001
HydroSense 115/45	115kHz	0.01-150kHz	CTG1308-0001
HydroSense 115/19	115kHz	0.01-150kHz	CTG1297-0001
HydroSense 080/45	80kHz	0.01-100kHz	CTG0791-0001
SonoFlex 850	850Hz	0.6-20kHz	CTG0241-0001
SonoFlex 850-HP	850Hz	0.6-20kHz	CTG0241-0001-HP
SonoFlex 1350	1.35kHz	0.75-4kHz	CTG1181-0002
SonoFlex 1600	1.6kHz	1.25-3kHz	CTG1162-0001
SonoFlex 2200	1.9kHz	1.8-6kHz	CTG2132-001
SonoTube 008/D13	8 & 13kHz	7-16kHz	CTG0052-0001
SonoTube 008/D13-UW	8 & 13kHz	7-16kHz	CTG0052-0028
SonoTube 008/D13-DT	8 & 13kHz	7-16kHz	CTG0052-0010
SonoTube 008/D12	8 & 12kHz	6-20kHz	CTG1330-0001
SonoTube 008/D12-DT	8 & 12kHz	6-20kHz	CTG1330-0010
SonoTube 008/D12-UW	8 & 12kHz	6-20kHz	CTG1330-0025
SonoTube 008/D12-PA-DT	8 & 12kHz	6-20kHz	CTG2213-001
BroadBand 012	12kHz	0.01-20kHz	CTG1273-0001
BroadBand 030	30kHz	15-50kHz	CTG0811-0259
BroadBand 065	65kHz	50-110kHz	CTG0811-0260
BroadBand 150	150kHz	110-200kHz	CTG0811-0261
BroadBand 026/D55	26 & 55kHz	20-80kHz	CTG0615-003



Contact us today to see how we can help you



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