

- FREQUENCY 200 & 210 KHZ
- SIDE-SCAN TRANSDUCER
- SHALLOW WATER SURVEYING
- HULL MOUNTED
- ECHO SOUNDER FILL-IN DATA
- TOW FISH OPTION



The T403 and T404 transducers have been designed to compliment shallow water echo sounder surveying operations typically carried out by Port and River Authorities.

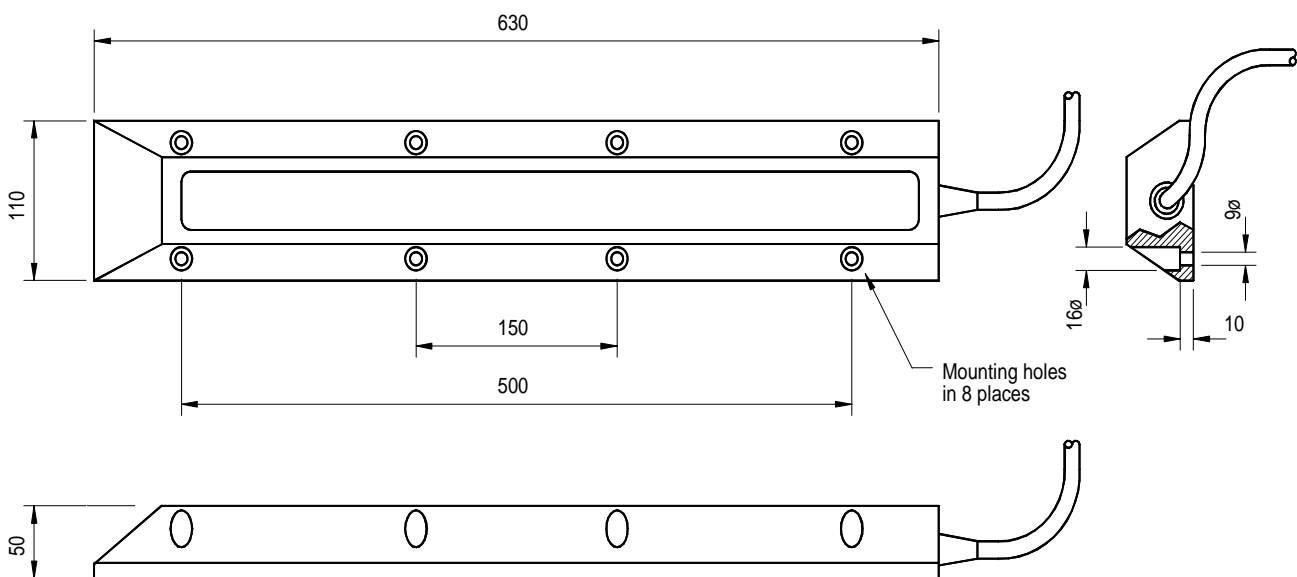
Eliminating the need to deploy a tow fish, these side-scan transducers can be mounted directly onto the hull and inclined downwards away from the surface, to provide useful "fill-in data" between adjacent survey runs.

Available at the popular frequencies of 200kHz (T403) and 210 kHz (T404), both offer a choice of wide and narrow horizontal beam widths that can be selected from the bridge to optimise the picture detail.

Designed for hull mounting, these transducers can also be fitted to towed bodies and used down to 600 metres depth with a deep water option down to 2000 metres.

Electrical connection to the transducer is by a four core screened cable with a tough PU outer jacket that facilitates moulding to underwater connectors.

Both transducers are available with or without calibration. All calibrations are traceable to National Standards.



All dimensions in mm

# MODEL T403 & T404

## SideScan Transducers

### Technical Specification

Neptune Sonar	T403		T404		Type Number
	200	200	210	210	
Resonant Frequency	200	200	210	210	kHz
Beam	Wide	Narrow	Wide	Narrow	Selectable
Horizontal Beam (-3dB)	1.6	0.9	1.5	0.8	Degrees
Vertical Beam (-3dB)	16.0	16.0	16.0	16.0	Degrees
Transmit Sensitivity	178	181	175	178	dB re uPa/V @ 1m
Receive Sensitivity	-187	-185	-185	-183	dB re V/uPa
Input Power	1200	2500	1200	2500	Watts
Bandwidth	10	10	10	10	kHz
Nominal Impedance	75	75	150	150	Ohms

Transducer Impedance can be adjusted to suit customers specification

Standard Depth Rating	600 Metres
Optional Depth Rating	2000 Metres
Cable Length	10 Metres Standard (Additional lengths supplied to order)
Cable Type	Polyurethane Ø12mm 4 Core Screened
Storage Temperature	-40 to +80 °C
Operating Temperature	-5 to +70 °C

Data illustrated is taken from actual in-water measurements