

# MODEL 60 SERIES



- **DUAL FREQUENCY**
- **NAVIGATION & SURVEYING**
- **LOW SIDE LOBES**
- **LONG RANGE ECHO SOUNDER**
- **TOWED BODY CAPABILITY**
- **FULLY MOULDED**

The 60 SERIES are both high performance, dual frequency transducers offering a versatile sounding system with high resolution and excellent range performance. The design features both high and low frequencies combined within a single over-moulded housing. Allowing a hydrographer the flexibility to select a system to meet the desired survey requirements of resolution, range,

silt penetration and beam pattern. The over-moulded polyurethane housing provides a mechanically robust, corrosion free transducer for hull or over-side mounting. Deep water version available.

The 60 SERIES is available with or without acoustic calibration, traceable to National Standards.

## TECHNICAL SPECIFICATION - LOW FREQUENCY SECTION

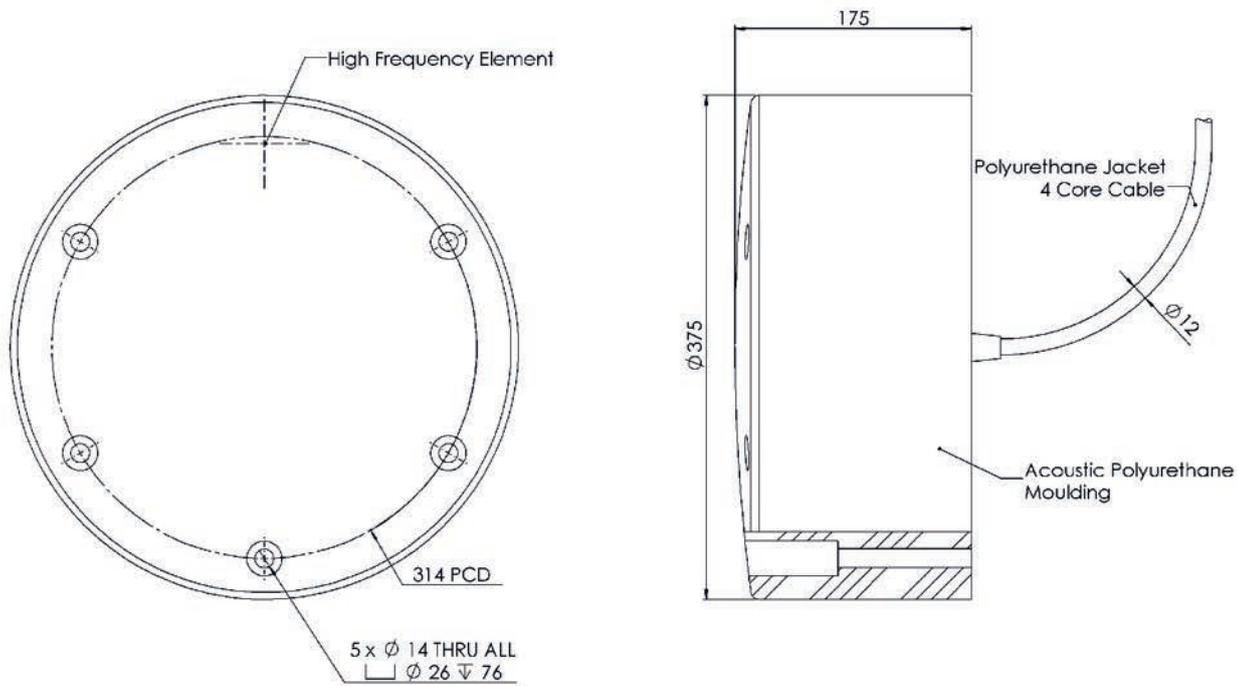
Frequency Options	12	15	kHz
Beam Angle	20	20	Degrees Conical
Transmit Sensitivity	167	166	dB re 1µPa/V @ 1m
Receive Sensitivity	-166	-170	dB re 1V/µPa
Bandwidth	1.5	3.3	kHz
Nominal Impedance	100	150	Ohms
Transmit Voltage / Duty Cycle (Abs. Max)	750	750	Vrms at 10%

## TECHNICAL SPECIFICATION - HIGH FREQUENCY SECTION

Frequency Options	200	210	kHz
Beam Angle	8	7.5	Degrees Conical
Transmit Sensitivity	175	174	dB re 1µPa/V @ 1m
Receive Sensitivity	-186	-187	dB re 1V/µPa
Bandwidth	20	28	kHz
Nominal Impedance	100	100	Ohms
Transmit Voltage / Duty Cycle (Abs. Max)	175	175	Vrms at 10%

Transducer impedance can be adjusted to suit customers specification

# MODEL 60 SERIES



All dimensions in mm

## MECHANICAL SPECIFICATION

Operating Depth	600m Standard (Optional 1800m - may require an export license)
Weight Air/Water including 10m cable	33.6 kg / 14 kg
Operating Temperature	-5 to +40 °C
Storage Temperature	-40 to +80 °C
Cable Type	Ø12mm Polyurethane Jacket, Screened 4 Core
Cable Length	10m Standard (Additional lengths supplied to order)
Connector	Not fitted as standard (Optional Customer Specific)