

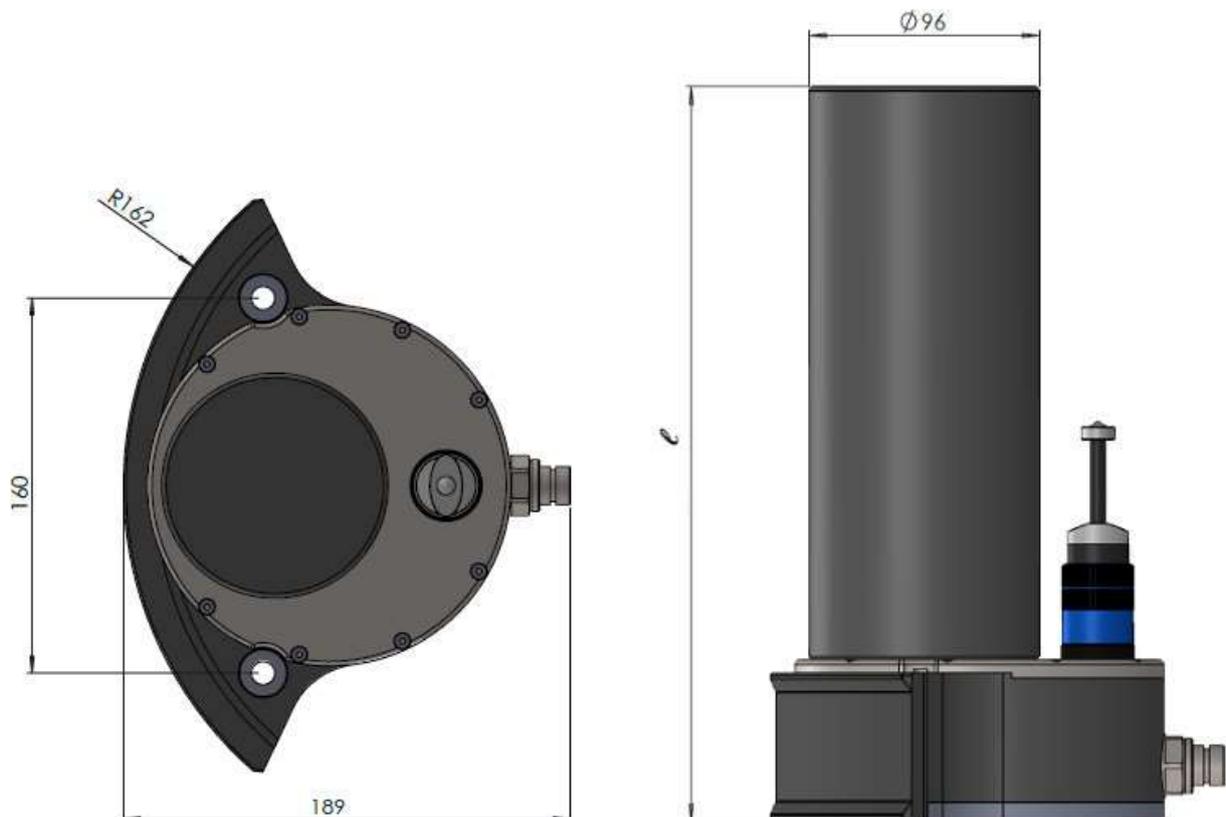
Technical specification Atec

This section provides specifications for the ATEC multibeam echo sounder.

Performance

Swath coverage:	Up to 180°- typical 130 °
Number of beams:	256
Operation frequency:	100 - 800 kHz - nominal 200 kHz
Bandwith:	0 - 40 kHz
Ping rate:	Up to 50 Hz
Maximum detected depth:	Up to 600 m - nominal 500m
Minimum detected depth:	0.5 m
Range resolution:	< 10 mm @ minimum range
Resolution:	2° across and along track

Weight and dimensions



Weight:	6.0 kilo
Length:	~ 289 mm (might vary)
Height:	189 mm
Width:	244 mm
Distance c/c mounting bolts:	160 mm

Power

Voltage:	20 - 28V DC
Power consumption:	Peak: 5A@28V Nominal: 2A@28V
Standard cable length:	8 m
Maximal cable length:	50 m

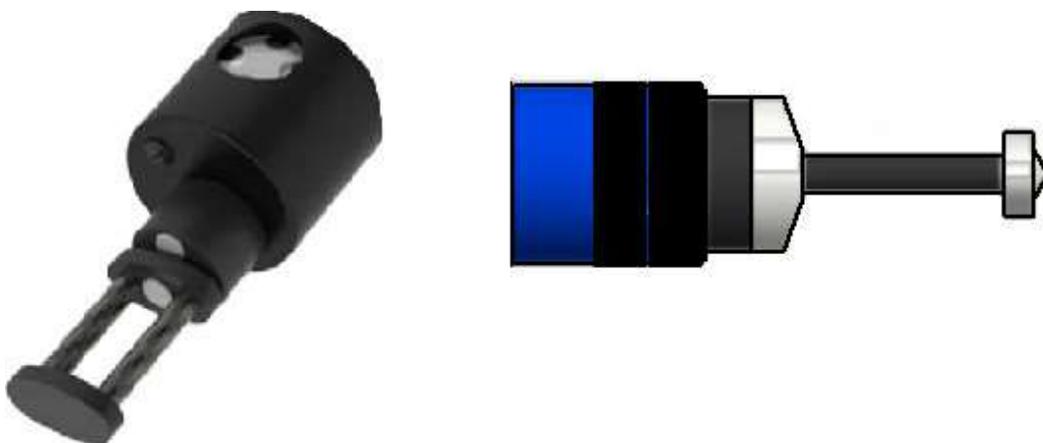
Environment

Storage temperature:	-20 °C - + 60°C
Operating temperature:	-4 °C - + 40°C

Interface

Interface: 100 Mb/s Ethernet

Integrated sound speed sensor



Sound speed:	1400 - 1600 m/sec
Precision:	+/- 0.03 m/sec
Response time:	47 μ s
Pressure:	Down to 6000 m
Interface:	RS232 or RS485
Operating temperature:	-20 °C - + 60°C
Operating voltage:	(7.5 - 26V DC) uses the built-in power supply