

Acoustic specification	
Operating frequency	720kHz
Angular resolution	2.34° acoustic, 0.7° effective
Range	0.2m to 50m / 7.9in to 164ft
Number of beams	128
Horizontal beamwidth	90°
Vertical beamwidth	20° (±10° about horizontal axis)
Range resolution	8mm / 0.31in
Update rate	3 to 20Hz (range dependent)
Mode of operation	CW, CHIRP or Auto

Integrated sensors	
Pressure sensor*1	Depth: ±2m
	Temperature: ±2°C
AHRS*2	Bearing accuracy: 2° RMS
	Roll & Pitch accuracy: 1.5° RMS (static)

Interface	
Supply voltage	12 to 48V DC
Power requirement	8.5W
Main port protocol	Ethernet (100Base-T) and/or Serial (RS232 or RS485)
Auxiliary port protocol	Serial (RS232 or RS485)
Connector type	Main: Impulse MKS(W)-3L10, Impulse MKS(W)-307 & Tritech Micron Aux: Tritech Micron

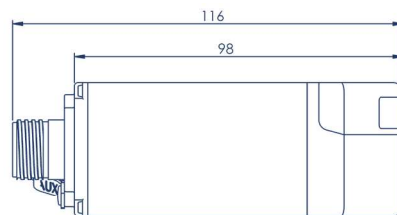
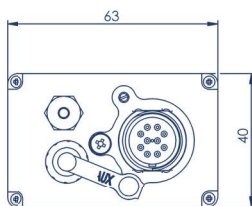
Physical specification	
Dimensions	116mm x 63mm x 40mm / 4.57in x 2.49in x 1.58in
Depth rating	300m or 750m / 984ft or 2460ft
Weight in air	0.43kg / 0.97lbs
Weight in water	0.24kg / 0.53lbs
Temperature rating (operating)	-10°C to 35°C / 14°F to 95°F
Temperature rating (storage)	-20°C to 50°C / 4°F to 122°F

Software	
Genesis: (Included at no additional cost)	OS: Microsoft Windows 7, 10 Processor: 2GHz (Minimum), 3GHz Quad Core (Recommended) Graphics: 3D hardware accelerated graphics card
SDK	Windows, Linux (Available on request)

Specification subject to change in line with Tritech's policy of continual product development

*1 Default. Applicable to 300m depth rated variant only

*2 Additional extra



Not to scale. Measurements in mm.