



Marine Distribution & Consulting

Diving the ocean of marine supplies

Datasheet Blue ROV2 Operational Package by MDC

Net Buoyancy (without Ballast) 1.4 kg
Watertight Enclosure Inner Diameter 102 mm
Watertight Enclosure Inner Length 298 mm
Cable Penetrator Holes 14 x 10mm
Construction HDPE frame, aluminum flanges/end cap, and acrylic tubes
Main Tube (Electronics Enclosure) Blue Robotics 4 inch series w/ aluminum end caps

Performance

Maximum Rated Depth 100 m
Maximum Tested Depth (so far) 130 m
Maximum Forward Speed 1 m/s
Thrusters Blue Robotics T200
ESC Blue Robotics Basic 30A ESC
Thruster Configuration 6 thrusters (4 Vectored / 2 Vertical)
Forward Bollard Thrust 14 kg f
Vertical Bollard Thrust 9 kg f
Lateral Bollard Thrust 14 kg f

System Description - Surface connection box

The connection box is holding the Fathom ROV Tether board and enables the smooth connection of the umbilical via connector and the Surface rugged laptop unit via a USB and Ethernet connection.
Splash proof

System Description - Rugged Laptop (including charger)

A professionally refurbished & rugged Panasonic CF-19 running on Linux serving as Monitor for the ROV camera, controller and HMI. Including the ROV controls via a F310 game controller.

System weight:

In Water components(neutrally buoyant in seawater)

Blue ROV2 vehicle: 11,5 kg (in air)
150m Fathom Teather: 7 kg (in air)
Li-po Battery: 0,9 kg (in air)

Surface components

Rugged Laptop: 2,35 kg
Battery Charge: 0,3 kg
Surface connection box: 0,4 kg
Pelicase 0350 Transport Case: 12,5 Kg

Total 34,95 kg

The MDC Blue ROV2 package is supplied with its Pelicase 0350 and aero transportable.

Marine Distribution & Consulting, 48 rue Claude Balbastre, 34070 Montpellier FRANCE

Follow us:

Facebook: <https://www.facebook.com/marinedistributionconsulting>
LinkedIn: <https://www.linkedin.com/company-beta/10928063/>
Google+: <https://plus.google.com/b/100373264388760897254/100373264388760897254>