

DEEP TREKKER DTG2-WORKER MINI ROV



The DTG2-Worker comes complete with 2 function manipulator-grabber, 100m tether, 125m depth rating robust tether reel, carry case, turbo thrusters and Super Bright Screen Controller with sensor pack for on screen data display and auto depth and heading.

The innovative design of DTG2 is like no other ROV on the market. Powered by on-board rechargeable batteries, this 19.2V system offers many advantages over the typical top side powered ROVs. The on-board batteries reduce tether diameter and eliminate power losses through long power feeds. A smart charger simply plugs into the back of the ROV when back on shore and indoors. On-board sensors monitor

the motor's status and will immediately cut power if there is a fault. Additional sensors track the battery and warn the operator of low levels. A low battery is not of any concern as the ROV can simply be pulled out of the water with the tether. Normal battery life is 6 to 8 hours of run time with a recharge time of 3 hours. Deep Trekker can be out of the box and operational in 30 seconds.

The DTG2 Worker is designed for the ROV operator who needs to capture or manipulate objects below the surface as well as have the control of heading and depth with the sensors package. It comes complete with a 100m tether, integrated screen controller, robust tether reel, 2 function grabber, sensor package and carry case.

The sensor package allows the ROV pilot to set auto depth and auto heading, as well as to see water temperature, compass heading, remaining battery, ROV pitch and roll, depth, and camera angle

The DTG2-Worker ROV is constructed to last. The cast aluminium body encases a 360 degree centre window allowing for an unprecedented field of view. The patented vertical pitch system allows for unique and exceptional manoeuvrability. Well protected 63mm diameter propellers prevent debris from binding the output shaft. High powered rare earth magnetic couplers means there are no dynamic seals on this system, for maximum leak protection. A 700HD line colour camera rotates from the centre of the ROV to take advantage of the centre window and gives the operator a 270 degree vertical field of view. The camera is tracked by an LED floodlight. This feature allows the operator to look in any direction whether it be straight up at the hull of a boat or straight down at the seabed while driving forward.

The DTG2 is sized for good stability in the water, but small enough to transport by hand to difficult locations. At 8.5 kg you may lower it into the water by the tether over the side of the boat or even from a very high vantage point, such as a bridge. The nominal buoyancy of the ROV is set to neutral. It can be adjusted with an included set of stainless steel weights to fine tune the unit according to your preference and water conditions.

Commanding the DTG2 is simple using the lightweight controller, designed to resemble the ergonomically proven gaming pad to ease the learning curve normally required to pilot ROVs.. Together, these features make the DTG2 WORKER perfect for those quickly needing eyes in the water with little training when inspecting and exploring the underwater world.

Sensors included:

- Heading (degrees)
- Depth (meters)
- Water Temperature (degrees C)
- Pitch (degrees)
- Roll (degrees)
- Camera Angle (degrees)
- Turns Counter
- ROV Hour Counter (hours)
- Battery Level Controller (%)
- Battery Level ROV (%)
- Added ROV Intelligence
- Auto-Heading
- Auto-Depth
- Display Text overlay to live video screen
- Depth Rating 125m
- Operating Temperature 0 C to 40 C

Supplied with:-

DTG2 ROV

- 2 Function Grabber
- Integrated Screen Controller with 100m Tether
- Sensor Package with Auto Heading and Auto Depth
- Smart chargers
- Buoyancy weight set
- Operator manual
- Robust Carry Case
- Heavy duty reel with bearings and electrical slip ring for easy tether management
- Integrated Super bright Screen Controller
- 1 Year Warranty

All DTG2 Worker Models are now equipped with the Turbo thruster configuration, allowing for 2.5 times forward speed.



The Deep Trekker DTG2 has gone fully integrated with the introduction of the Super-Bright Screen Controller.

View the depths on this unbelievably clear screen, up to 4 times brighter than conventional monitors for optimum viewing outdoors, even in bright sun!

Don't struggle with ROVs whose only viewing option is traditional monitors or portable devices that are nearly impossible to see in the sunshine! The easy to master Deep Trekker DTG2 micro-ROV combines the picture from a 700HD camera and this new viewing system

Deep Trekker may be supplied with a range of accessories including; digital video glasses, USBL positioning, sonar, additional lighting, thickness gauge, crawler wheels, sediment samplers, laser scaler. Please contact us for details.

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