



Buddy ROV TMS Datasheet



Slipringless Tether Management System	
Overall Unit Dimensions (L x W x H)	1030 x 405 x 525mm
Gross Weight	27Kgs
Drive Motor	FFPMM 50 Hydraulic Motor
Hoses	3 off 3 metres x 3/6" hoses
Frame	25mm Stainless box section
Electrical Requirement	72 Volts DC
Telemetry	RS485 via twisted Pair
Video	RS485 balanced unscreened twister pair
Sliprings	None
Tether length	40 metres 10mm thick Neutral Tether

The TMS is designed to be taken to a worksite where Workclass ROV's and divers cannot access and the conditions too difficult for a small ROV to safely reach due to distance from a platform or adverse conditions.

The TMS is designed to be attached to a Workclass unit taking hydraulic power from their valve pack. Power and telemetry is provided via an additional subsea bottle with a twisted pair to fibre mux which then connects topsides with the Micro ROV controller.



To keep costs down and minimising failure modes the TMS has no sliprings which also does away with the need for oil compensation.

The tether drum and the drive gears are plastic as are the soft lead-ins on the front and sides.

The TMS was designed around the VideoPro4 ROV system which is the market leader in its field proving both reliable, robust and easy to navigate into those tight spaces.

Recent offshore operations have proved the system where the Buddy ROV entered previously inhibited areas such as SSIV protective structures and carried out CP contact and proximity, GVI and CVI.