Oceaneering RCU

INTELLIGENT CONTROL SYSTEMS

Product Number:
101754-PRJ-OPR-001

The RCU consists of two main parts, The surface unit and the Subsea unit. The surface unit consists of a laptop PC with a RS232-485 convertor providing communication interface to the subsea unit. The PC comes pre-installed software for controlling the Subsea unit. The Subsea valve module is capable of setting two different pressures, This allows separate pressure to the latch cylinders verses the torque motor on the API 17D Class 1-4 Torque Tool.

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PC based surface controller>	Manufacturer Type:- Lap Top Pentium® Min256MB, Memory Min:- 258mb Communications:- RS232 or RS484, RS485 through convertor unit on the RS232 port Baud Rate:- 38400 Baud
Subsea Unit	Size 412x229x284mm (ex Fittings) Weight in Air Weight:- 30Kg, in Water:- 17Kg Depth Rating:- 3000M Hydraulic Working Pressure:- 250Bar, Hydraulic Flow:- 95LPm, Return Pressure:- 17Bar (max) Manufacturer:- Oceaneering
Subsea Control Card	Type:- OAS Controller Board Power Consumption:- 1WAat24VDC Communications:- RS-485/ RS232 Temperature Range:- 0oC to 60°C
Power System	Type:-OAS Power Board Input power:- 90-132 Or 180-264 VAC Frequency:- 47-63Hz Max power consumption RCU:- (110VAC) 1,8 Ampere./ (230VAC) 1,1 Ampere Output:- 24VDC Max power:- 150w Temperature Range:- 0·C to 60°C
High flow Control/Pressure Reducing Valve (2 way)	Type:- 4/3-Way Symmetrical Proportional Flow and Pressure Control Flow range HF1:- 0-50Lpm Flow range HF4:- 0-95 Lpm, 0-95 Lpm Pressure 10-250 bar Temperature:- 0·C-60·C
Flow Control Valve (2 off) Type	Flow range:- LF2 (Closed centre) 0-5 1pm> Flow range:- LF3 (Open centre) 0- 5 lpm Pressure range:- 0-250 bar Temperature range:- 0·C-60·C
Transducer for regulated pressure	Type:- MSP-300-250-B-5-N-1 Pressure Range:- 0-250 bar Temperature Range:- 0·C-60·C Accuracy:- >1% FS Manufacturer:- MSI
Transducer for return pressure	Type:- MSP-300-35-B-4-N Pressure Range:- 0-35 bar> Temperature Range:-0·C-60·C Accuracy:- >1% FS Manufacturer:- MSI RS232 - RS485 converter Type:- LD485 Manufacturer:- LD485 Blackbox

Want to find out more?
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