SEATEC SUBSEA SYSTEMS BV

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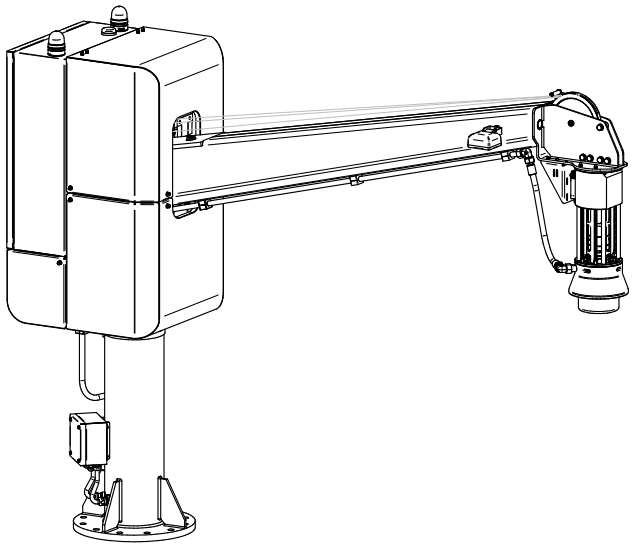
LIER-100

CTD winch remote controlled



Highlights

- Designed for launching CTD probe
- Safe Working Load 100 kg
- Winch Lowering speed 60m/min
- Retrieval/hoisting speed 30m/min
- Stainless steel protection covers AISI 316L
- Stainless steel control cabinet AISI 316
- High tensile steel Davit construction
- Motor anti-condensation heating integrated
- Local control box with up, down, slew and emergency stop
- 230V AC supply 50-60Hz with automatic change-over
- Slew gear
- Automatic and remote launch control for sample collection and data retrieval from CTD
- Automatic probe rinsing system integrated in catcher

Specifications

Mechanical		Environmental	
- Frame dimensions	See drawings below	- Temperature range	-10 ..+40 °C
- Drum dimensions	∅180 x ∅300 x 90mm		
- Drum capacity	180m*		
- Cable/wire diameter	4mm 12-strand single braid HMPE rope		
- Layers	12 layers		
- Weight	TBD		

** cable capacity depends on cable diameter*

Electrical	
- Voltage	230 V AC (1 phase), double input w. change-over
- Power (winch-drum)	1,5 kW
- Power (slew gear)	0,75 kW
- Frequency	50 - 60Hz +/- 5%
- Remote control	Over TCP/IP
- Encoder included	Yes, to determine depth and speed profile
- Floodlight	Yes, LED 24Vdc
- Limit switch	Integrated in catcher to stop winch
- PLC unit integrated	Yes, to control and interface winch

Performance	
- Safe Working Load	100 kg
- Lowering Speed	0-60 m/min
- Retrieval Speed	0-30 m/min

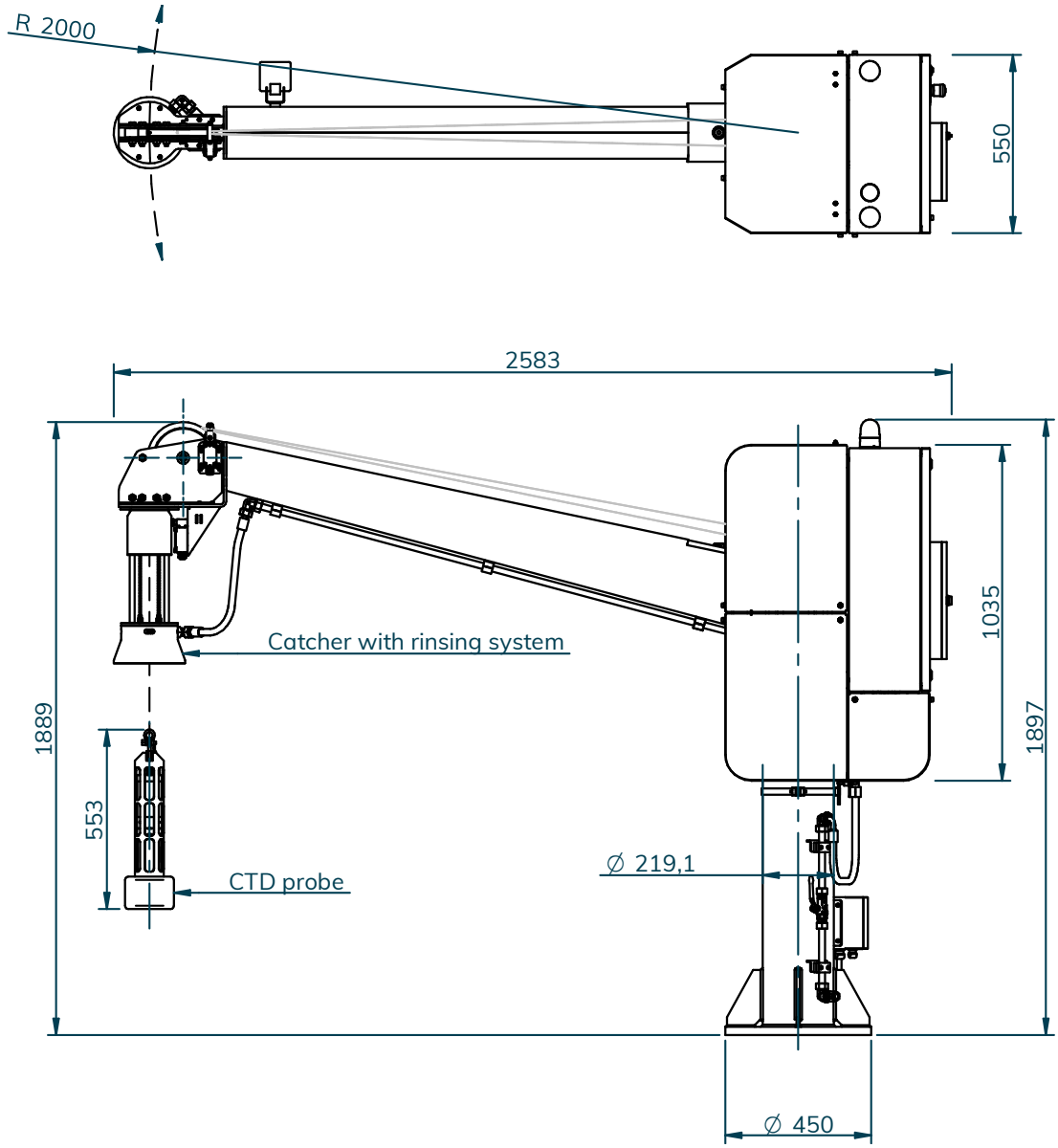
CTD sensor	
- Type	AML Oceanographic AML-3 LGR CTD 500m
- Data Transfer	Wireless (Wi-Fi)
- Depth Rating	500m
- Housing material	Acetal, AISI 316 stainless steel
- Power supply	Re-chargeable battery pack with LED status indication
- Includes	X2change Sound Velocity sensor X2change Conductivity & Temperature sensor X2change Pressure sensor

Software	
- Functions	- Manual trigger for dipping sequence - Automated dipping sequence - Manual rinsing of SVP
- Accessible parameters	- Maximum depth - Speeds - Automated sequence interval - Location to store data and other information

Optional software extensions

- Interpretation of the received SVP data for indication of various variables (e.g. battery status)
- Input from and output to other external devices and or software

Dimensions (version with 2 meter range)



Dimensions (version with 2.61 meter range)