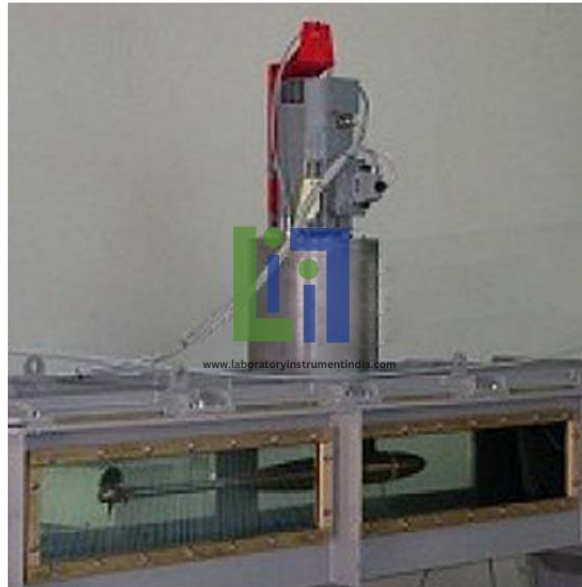




Email : sales@laboratoryinstrumentindia.com

Product Name :
Electric Open Water Propeller Dynamometers

Product Code :
LBNY-0005-1970008



Description :

The dynamometers can be supplied with the standard height of the vertical streamlined profile or with an increased height of the vertical streamlined profile as described below. The three dynamometers are of the same general type but differ in size and capacity as shown below. Full technical details of the dynamometers are provided below.

Technical Specification :

Power of the drive motor for rated torque values at 3000 rpm* 3kW
Overload of torque and thrust permitted for a short moment Inclusive dynamic peaks 50%
Output resistance of the strain gauge full bridge measuring system for torque thrust Torque: 240 © Thrust: 350 ©
Input resistance of the strain gauge full bridge measuring system for torque and thrust Torque: 266 © Thrust: 385 ©
Temperature Compensation With constant voltage for the supply (not for constant current)
Rated torque 9.80665 N = 1 kg force ±8 Nm
Maximum speed 3000rpm
Rated thrust 200N
Output voltage at rated load referring to the supply voltage for torque and thrust measurement About 1.5mV/Volt
Recommended supply voltage for torque and thrust measurement Up to 8 Volts
Maximum supply voltage for torque and thrust measurement 20 Volts
Idle Torque 0.04N.



Laboratory Instrument India