

M11 Thruster

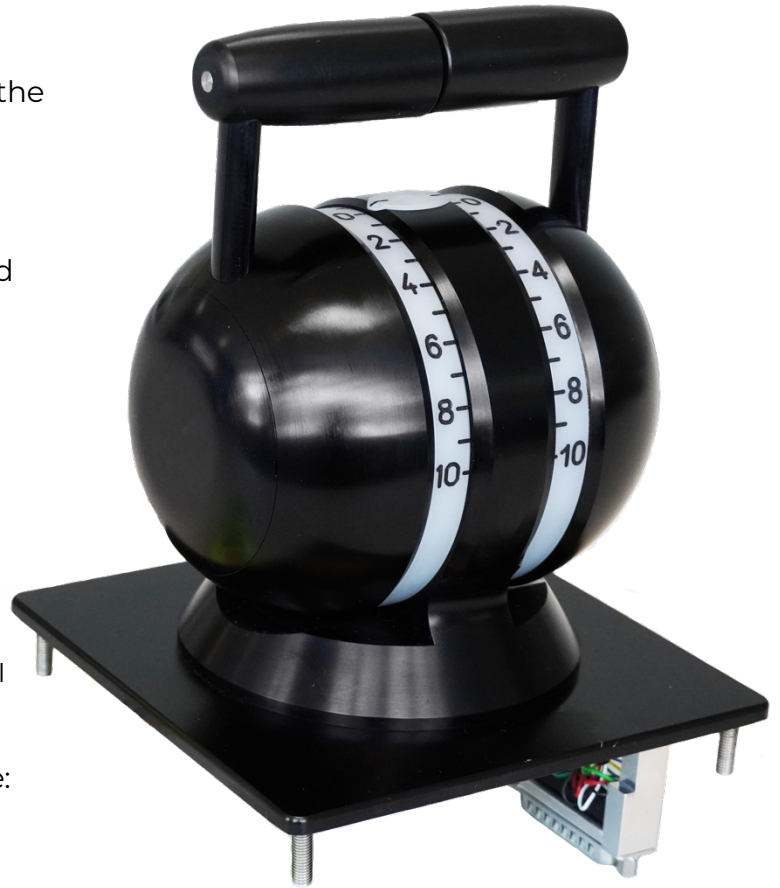
The M11 thruster has been proven on the most challenging waters. Nothing compares to the overall feel of these durable, precise controls. A perfect choice for use on the most exquisite yachts, rough water combat ships and every vessel in between.

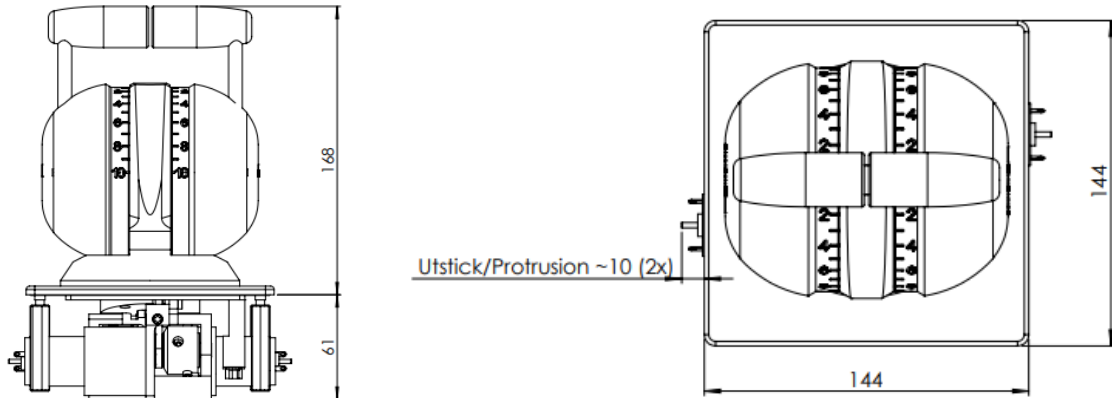
A masterpiece of construction:

- **Precision control** – The consistent smooth friction, and exact detents will ensure effortless control over the vessel.
- **Premium look** – Brushed black anodized aluminum finish on panel plate.
- **LED Illumination** – Dimmable LED illumination guarantees effortless readout in every situation.
- **Safety first** – Can be equipped with dual independent hall-effect sensors.

Other features making M11 irresistible:

- Hall-effect sensor or potentiometer
- Made in Sweden
- With or W/O Motor



Standard dimensions

Specifications

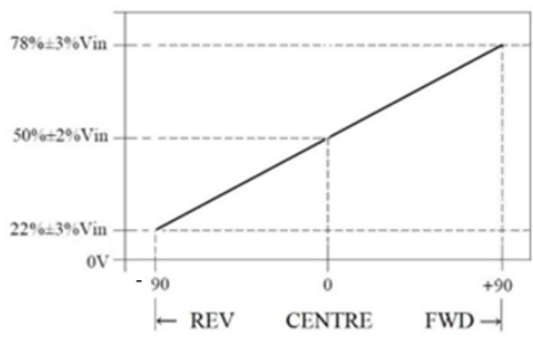
Handle movement	+/-90°
Indicator	10-0-10
Detent	On zero
Materials	Black anodized aluminum, POM handle, PMMA scale. White illuminated scale with black numbers
Sensors	Hall effect sensor / Potentiometer
Enclosure	IP66 from panel and above
LED	Green, voltage dimmable LED 8-24VDC
Connector	D-Sub 25-pole male
Sensor	Hall effect Sensor (M11-H) Potentiometer (M11-P)
Standard versions	Double Thruster M11-H (Hall), M11-P (Pot.) Motorized version M11M-H (Hall), M11M-P (Pot.) (recommended load 4,7-100K)
Other options	Customer logo side shields

Pin Configuration

Dual Independent Hall sensors	Potentiometer (M05-P)
<ol style="list-style-type: none"> 1. In-A +5VDC (Red) 2. GND-A (STBD Black) 3. Out-A (STBD White) 4. In-B +5VDC (STBD Green) 5. GND-B (STBD Yellow) 6. Out-B (STBD Blue) 8. In-A +5VDC (PORT Red) 9. GND-A (PORT Black) 10. Out-A (PORT White) 11. In-B +5VDC (PORT Green) 12. GND-B (PORT Yellow) 13. Out-B (PORT Blue) 14. +24V LED (Green) 15. GND LED (Black) *22. GND Motor PORT (Black) *23. +24V Motor PORT (Red) *24. +24V Motor STBD (Red) *25. GND Motor STBD (Black) <p style="margin-top: 10px;">Wiring diagram 231002 * W. Motor Wiring diagram T201002</p>	<ol style="list-style-type: none"> 1. Blue +5V (A) 2. White GND (A) 3. Gray Thrust R (A) 4. Purple +5V (B) 5. Brown GND (B) 6. Pink Thrust R (B) 7. Blue GND (A) 8. White +5V (A) 9. Orange Thrust L (A) 10. Purple GND (B) 11. Brown +5V (B) 12. Yellow Thrust L (B) 14. +24V LED (Green) 15. GND LED (Black) *22. GND Motor PORT (Black) *23. +24V Motor PORT (Red) *24. +24V Motor STBD (Red) *25. GND Motor STBD (Black) <p style="margin-top: 10px;">Wiring diagram ST201013 * W. Motor Wiring diagram ST201001</p>

Output options

Potentiometer



Hall-effect

