

Angle Indicator (Clinometer)

Product Data Sheet



1. Description

The Poseidon Angle Indicator (Clinometer) is a durable and corrosion-resistant mechanical device designed to indicate the inclination angle of gangways, accommodation ladders, or similar shipboard access equipment.

It ensures compliance with SOLAS regulations and enhances the safety of personnel using access means.

The indicator consists of a stainless-steel plate with a freely swinging pointer and engraved angle markings for immediate and reliable readings.

Each set includes two units — one for the port side and one for the starboard side installation.

2. Application

- Gangways
- Accommodation ladders
- Pilot ladders and platforms
- Other marine access or handling equipment requiring angle indication

3. Key Features

- Mechanical design – no electrical components required
- Clear, easy-to-read angle scale
- Set of two indicators (port & starboard)
- Four pre-drilled mounting holes (one on each corner) for secure fitting
- Marine-grade stainless-steel construction
- Fully compliant with SOLAS II-1/3-9 and IMO MSC.84(III)

4. Technical Specifications

Parameter	Specification
Material	Stainless Steel AISI 316
Thickness	3 mm
Quantity per set	2 pcs (port & starboard)
Mounting	4 pre-drilled holes (one in each corner)
Finish	Brushed stainless steel
Operating Angle	0° – 90°
Recommended Limits	Gangway ≤ 30°, Ladder ≤ 55°
Environmental Resistance	UV, saltwater, and corrosion resistant
Weight	Approx. 0.45 kg / pc
Standards	SOLAS II-1/3-9, MSC.84(III)

5. Installation & Maintenance

- Install one indicator on each side of the gangway or ladder (port & starboard).
- Ensure proper zero alignment when the equipment is level.
- Periodically inspect the pointer and ensure it moves freely.
- Clean with mild detergent; avoid abrasive materials.
- Replace the indicator if bent, corroded, or if the pointer movement is obstructed.

6. Compliance & Certification

Manufactured according to:

- SOLAS II-1/3-9
- IMO MSC.84(III)
- Marine-grade stainless steel AISI 316

7. Packaging & Delivery

- Supplied as a set of two (port & starboard).
- Each piece is individually protected and packed for marine export.
- Typical package dimensions: 40 × 30 × 8 cm
- Gross weight: ~1 kg/set



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