

SYNERGY CHAIN INCLINOMETER



SYNERGY
INNOVATIVE DIVING EQUIPMENT TRADING LLC

INSPIRING • ENGINEERING • INNOVATION

The Synergy Chain Inclinometer was developed for a client to serve as a subsea inspection and set-up aid on the anchor points used to secure buoys to the sea bed ensuring equal tie down angles is achieved.

Its light weight easy to use and non-corrosive construction provides a diver with the effective tool for multiple usage.

Underwater chain inclinometers are designed for monitoring the inclination or angle of submerged chains, such as those used in single point moorings, buoy anchors, or risers. They are critical in subsea construction, offshore mooring inspections, and oceanographic research, helping operators verify proper chain tension, alignment, and structural stability.

APPLICATIONS

- **Marine & Offshore Engineering:** Monitoring boat cradle leveling, deck angles, launch ramp gradients, and offshore structural alignment.
- **Commercial Diving Support:** Checking the orientation of underwater structures, habitats, or wet bells.

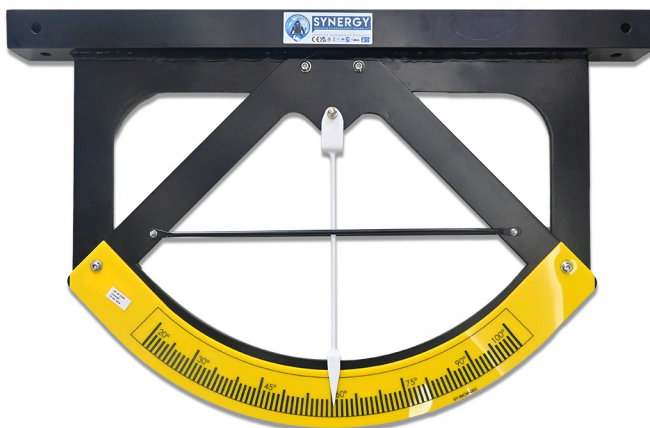


Fig1. Inclinometer

SPECIFICATIONS

- **Measurement Range:** 20° to 100°
- **Scale Increments** : 1° intervals
- **Major Graduations** : 20°, 30°, 45°, 60°, 75°, 90°, and 100°
- **Mechanism Type** : Gravity-actuated mechanical pendulum/pointer
- **Frame Material** : Heavy-duty machined composite or anodized aluminum (black)
- **Scale Face** : High-visibility UV-resistant yellow plate with black markings
- **Mounting Base** : Integrated straight-edge datum bar with pre-drilled alignment holes
Environmental Rating: Suitable for marine, offshore, & outdoor deployment
- **Scale** : Calibrated





KEY FEATURES

- **High-Visibility Display:** Bright yellow arc scale combined with a stark white weighted pointer ensures rapid, error-free reading from a distance or in low-light environments.
- **Rugged Construction:** Built with durable, impact-resistant materials designed to withstand the physical demands of fabrication yards, ship decks, and subsea support tasks.
- **No Power Required:** Purely mechanical gravity operation eliminates the risk of electronic failure, battery dependency, or calibration drift due to power loss.
- **Precision Datum Line:** The elongated black mounting bar serves as a highly accurate reference flat for resting against plates, pipes, structural beams, or equipment frames.

Underwater chain inclinometers are specialized instruments used to precisely measure the angle, or tilt of mooring chains and subsea structures, ensuring operational safety and integrity in marine environments.





Call Us

  0044 795 196 6260
  00971 50 564 8178

Email Us

 ram@synergiequipment.com
 info@synergiequipment.com

Visit Us

 Al Qusais Industrial Area 1, Dubai.
 www.synergiequipment.com

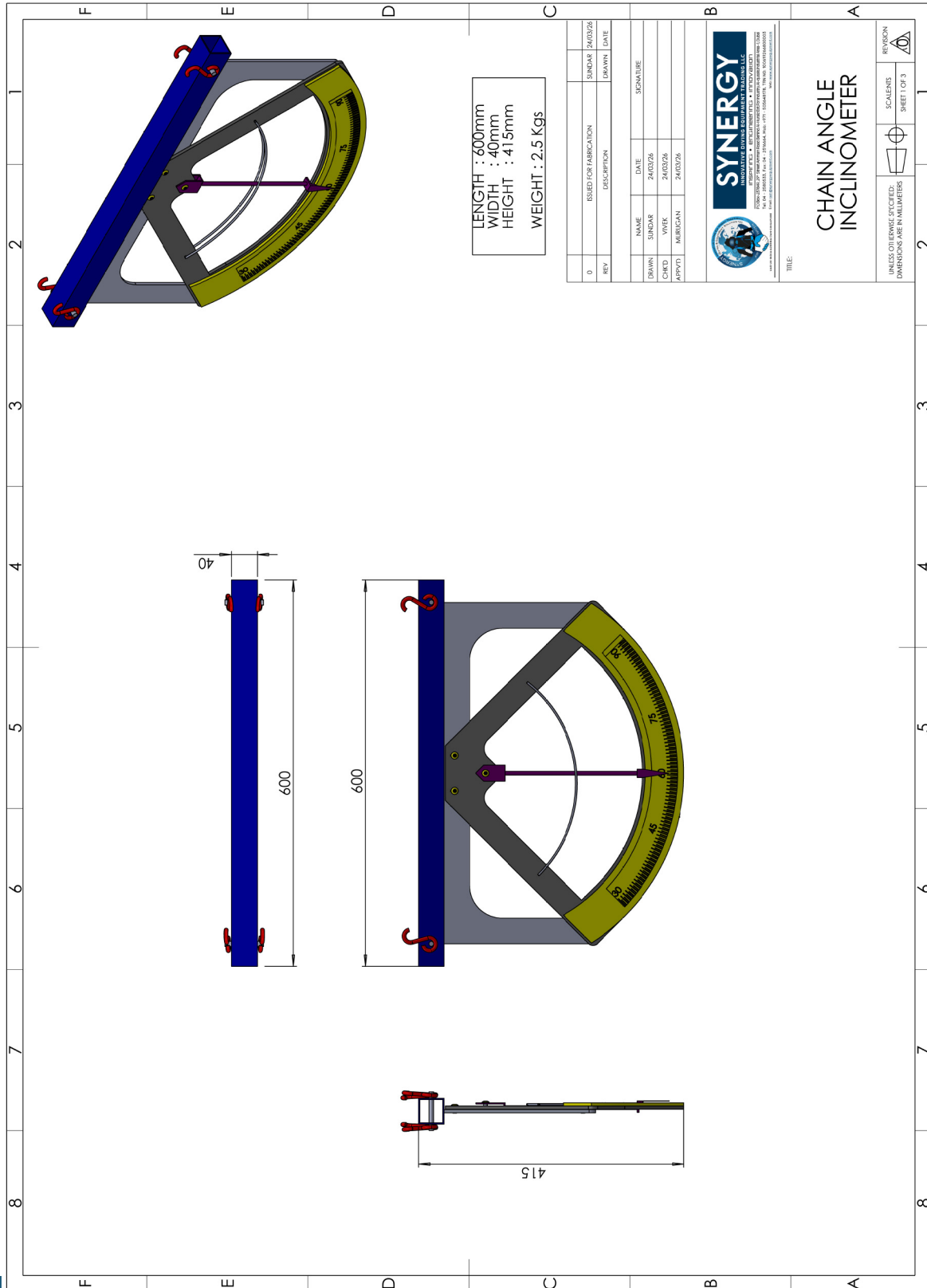
SYNERGY CHAIN INCLINOMETER



SYNERGY
INNOVATIVE DIVING EQUIPMENT TRADING LLC

INSPIRING • ENGINEERING • INNOVATION

UAE-UK-INDIA-AZERBAIJAN-SINGAPORE



Call Us

0044 795 196 6260
00971 50 564 8178

Email Us

ram@synergiequipment.com
info@synergiequipment.com

Visit Us

Al Qusais Industrial Area 1, Dubai.
www.synergiequipment.com

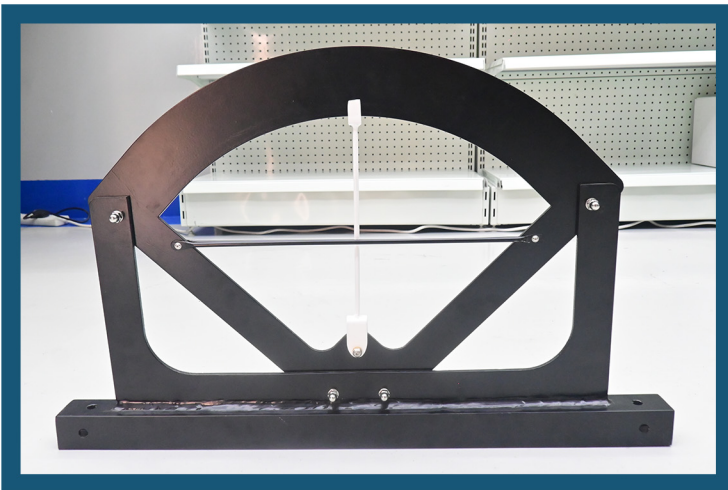
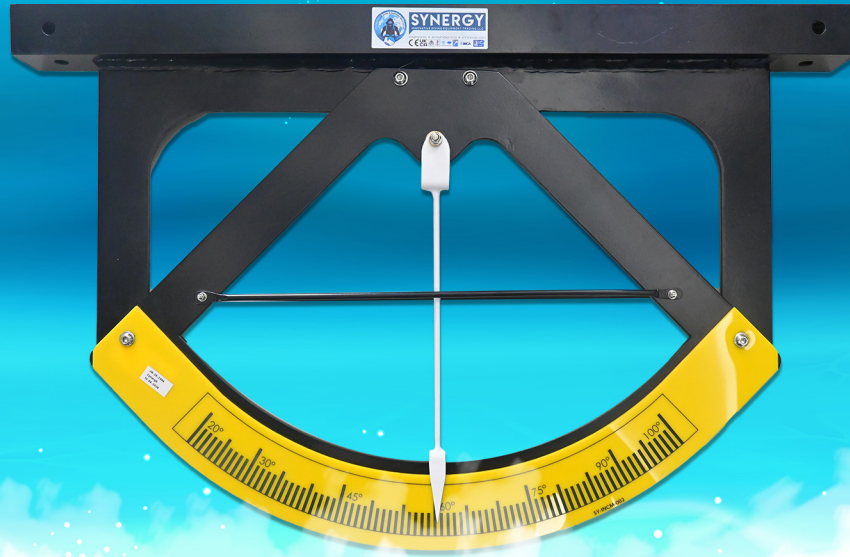
SYNERGY CHAIN INCLINOMETER







SYNERGY
INNOVATIVE DIVING EQUIPMENT TRADING LLC

INSPIRING • ENGINEERING • INNOVATION

UAE • UK • INDIA • AZERBAIJAN • SINGAPORE




Call Us

  0044 795 196 6260
  00971 50 564 8178

Email Us

 ram@synergiequipment.com
 info@synergiequipment.com

Visit Us

 Al Qusais Industrial Area 1, Dubai.
 www.synergiequipment.com