The K-Bridge Multi-indicator is a 13” display that is MED-certified for use as a rudder angle indicator, a rate of turn indicator, a propulsion RPM indicator, or a propulsion pitch indicator.

**FEATURES**

- Multi-indicators can also be integrated (via Ethernet) with K-Bridge, K-Master or other KM vessel systems to provide, for example:
  - Backup systems (with automatic failover) for rudder angle, rate of turn, RPM and/or pitch indicators.
  - Palette synchronization with KM operator stations
  - User-switchable content so that instruments displayed are specific to the vessel control system currently in use (DP, manual thrusters, autopilot ...)
  - Depth display
  - Speed display
  - Time display
  - Position display
  - Heading display
  - CCTV
  - Custom indications for particular operating purposes

The K-Bridge Multi-indicator can operate as any one of the following:
- Rudder angle indicator (ISO 20673-compliant)
- Rate of turn (RoT) indicator (ISO 20672-compliant)
- Propeller shaft RPM indicator (ISO 22554-compliant)
- Propeller pitch indicator (ISO 22555-compliant)

The Multi-indicator can be installed individually or in groups. It delivers the following benefits:
- MED-certified compliance with ISO standards
- Nominal viewing distance of up to 4m
- Slimline 13” full-colour TFT display
- Uniform design for all four MED-certified indicator types
- Design matching the HMI on KM operator stations
**TECHNICAL SPECIFICATIONS**

**Certifications**
K-Bridge Multi-indicator is MED certified to comply with:
- ISO 20673: 2007(E) “Electric rudder angle indicators”
- ISO 20672: 2007(E) “Rate of turn indicators”
- ISO 22554: 2007(E) “Propeller pitch indicators”
- ISO 22554: 2015(E) “Propeller shaft revolution indicators - Electric type and electronic type”

**Interface modules**
- NMEA COM module (for serial input from gyro or propulsion system).
- Analog interface module (for rudder input).

**Electrical**
- Input voltage: 12-24 VDC
- Power consumption: 17 W (typical) / 36 W (max)
- Power input: 2-pin Terminal Block 5.08

**USB ports**
- 4 x USB2.0 Type A
  Sensor input from the gyro or propulsion system is received on a USB port via a serial interface module. (Multiple inputs are possible with the screen divided accordingly.)

**Serial port**
- 1 x RS-422/RS-485
  Input from a rudder feedback unit is received on a serial port via an analog interface module.

**Ethernet ports**
- 1 x Ethernet RJ45 / LAN (10/100Mbps)
  The Ethernet ports enable connection to process LANs on the bridge.
  - 1 x Ethernet RJ45 / LAN (10/100/1000Mbps)

**13” Display**
- Resolution: 1280 x 800 (WXGA)
- Colours: 16,7 million (24bit)
- Viewing angle: 60 deg. (up/down)
  70 deg. (left/right)
  (typical)
- Contrast ratio: 800:1 (typical)
- Dimensions: 355 x 248.50 x 72.20 mm

**Specifications subject to change without any further notice.**