

# ANTHEA EM Log

## Electromagnetic Speed Log

The ANTHEA EM speed log is designed for merchant and cruising ships. It is used with maximum 70 m length of cable, between the main cabinet and the sensor. For standard operations, the ANTHEA log uses a 48 mm sensor. It can be adapted to other BEN Marine sensors that have the same electrical characteristics. ANTHEA standard version speed log consists of:

- One IP65 metal case
- One sensor
- One hull fitting

The choice of the hull equipment depends on the hull type. ANTHEA is compatible with all navigation peripherals.



## Characteristics

### Main features

- Automatic gain control
- Linearization set up: 3-point linearization
- Damping control via strap
- Permanent self-tests
- Dimmer adjustment
- Automatic scale adjustment
- 2 alarm thresholds adjustment

The cabinet can be flush or bulkhead mounted.

### Display features

- LCD screen
- 1 line x 16 digits
- Circular bargraph for speed display
- Digital speed display
- Covered distance including reset
- Error messages display
- Electromechanical mile counter without reset
- Scale, test, alarm
- Alarm LED display
- Brightness control

### Technical specifications

- Power supply: 24 VDC - 50 or 60 Hz
- Outputs:
  - 2 x 1/200 nautical mile (2 x relay outputs 24 VDC - 250 mA),
  - 1 x 1/10 nautical mile (open collector),
  - 1 x analog output (0 - 500  $\mu$ A),
  - 1 x RS232 NMEA 0183 format output,
  - 2 x alarm outputs (2 x relay outputs 50 V - 2 A).
- Scale: double scale -2/ +25 and -5/ +50 knots
- Distance: 0 - 99,999.9 nautical miles
- Speed accuracy: 0.5 % of full scale
- Distance accuracy: > 0.1 nautical mile / hour
- Damping: 4, 16 or 32 seconds

### Options

- Power supply: 115 VAC or 230 VAC - 50 or 60 Hz
- Dual axis version: longitudinal and transversal speed

### Standards

- IEC 60945
- IEC 61023
- IEC 61162-1
- IMO MSC97
- IMO A694
- IMO MSC96
- IMO MSC191

### Dimensions

- Length: 244 mm
- Width: 164 mm
- Depth: 95 mm
- Weight: 4 kg



IMO Type approval - Wheelmark  
by Bureau Veritas