Speed Log System



Walker 7070 Mk2

Walker 7070 Log Only is a Speed Log System providing electromagnetic log data from a single processor.

This compact, cost effective system takes advantage of "state of the art" electronics to process the log sensor input, outputting digital data on a single NMEA 0183 data bus to DIN 144 data displays.

Walker 7070 electromagnetic log is designed for vessels above 500GRT, offering both forward and astern speed, with ranges from -0 to 80 knots full scale. It is suitable for vessels varying from patrol boats and ferries to liners and bulk carriers.

Based on Walkers' proven electromagnetic log technology, the 7070 log provides speed and distance information with accuracy and reliability regardless of sea conditions and water depth.

Walker 7070 log is designed to cope with the toughest shipboard environment. A rugged stainless steel main enclosure coupled with robust and clear DIN 144 bridge indicators combine to assure the trouble-free service proven in professional applications worldwide.

Walker 7070 is designed for speed ranges up to 80 knots and meets IMO requirements, including resolution A824(I9) for accuracy, and IEC 60945 + IEC 61023 type approvals.

Type Approved to EMC European Directive IEC 60945

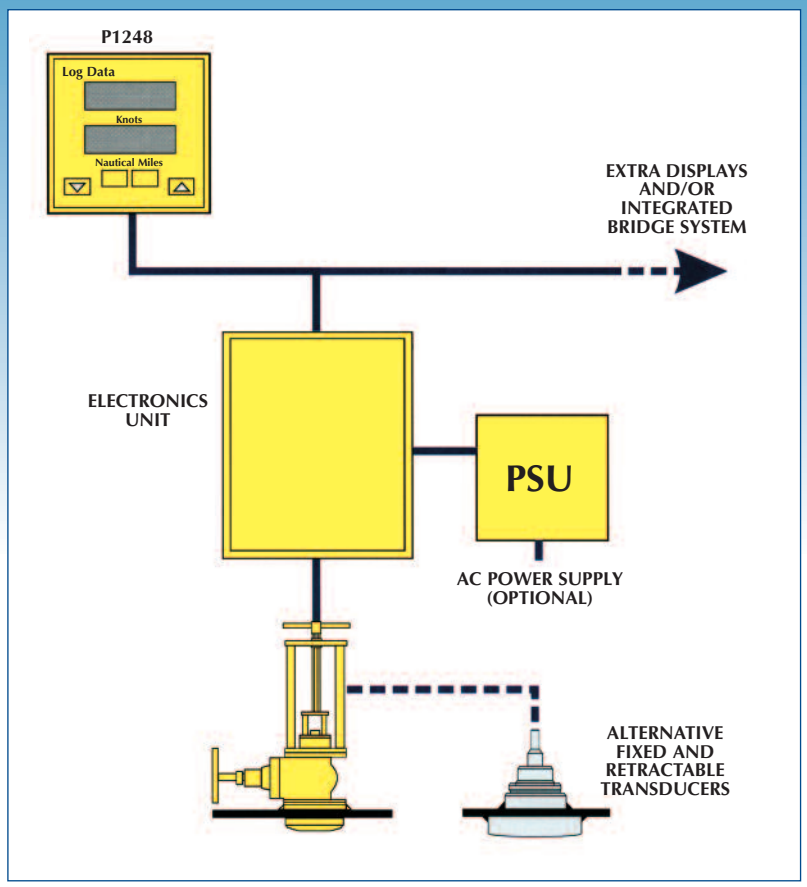
MED Type Approved

Features

- Full sensor compatibility with Walker log systems.
- Digital display to DIN 144 for log speed and distance travelled.
- 4 point speed log calibration.
- NMEA 0183 interface to ship systems.
- Ease of installation, use and service.

Proven Accuracy and Reliability

WALKER
MARINE INSTRUMENTS
EST. 1838



Walker 7070 Mk2

Speed Log System

Installation

Mechanical Dimensions

Speed log sensor and hull fittings with sea valve:
387 (W) x 165 (D) x 578 (H)

Speed log sensor and hull fittings without sea valve:
Ø 152 x 178(H)

Electronic Unit:
411(H) x 238(W) x 152(D)

DIN 144 Displays:
144(H) x 144(W) x 105(D)

Power Supply Unit:
240(H) x 200(W) x 128(D)

Electrical requirements

Power supply:
110v AC or 220v AC (with PSU)
or 24v DC

Power requirement:
30 VA(AC) or 20w (DC)

System Specification

Operating Principle

Log: Electromagnetic type low frequency AC field

Calibration Accuracy: +/- 1.0% (Digital system)

System Accuracy: +/- 1.0% or 0.1kn of true speed, whichever is greater (dependent on conditions)

Displays: OLED, dimmable

Log Range: Speed: -20–80 knots
Distance: 0–99999.9 NM

Serial Data

NMEA 0183 Outputs

Log: VLW Standard
VBW Standard

Hull Fittings and Sensors

Sea Valve Assembly test witnessed by G.L.
All sensors supplied with 50 metre cable.

Interfaces

Outputs:
2 x NMEA 0183 log speed
log distance
2 x 200 ppNM isolated relay contacts of distance travelled
Sensor Input for log

Options

- Additional DIN 144 digital log indicator (unlimited number by daisy chaining)
- Hull fitting and sensor: fixed type without sea valve various types for steel, aluminium, wood or GRP hulls
- Log sensor cable extension

CE Type Approved to EMC European Directive IEC 60945

In accordance with our policy of continuous development, changes may be made from time to time without prior notice.

Tel: +44(0)191 270 4260
Fax: +44(0)191 257 6175
E-Mail: sales@jlgmarine.com
Web: www.jlgmarine.com

LILLEY & GILLIE
EQUIPMENT
Directing International Shipping since 1812