

Connect-DI
Dedicated System for Measurement and Display of Vessel Draught



Key features

- Suitable for all Vessel Types
- Purpose designed data acquisition and display system
- Screen layout is designed for maximum clarity of information
- Light & Dark mode (Day/ Night) display
- Corrected for display "at the marks"
- Repeater display options
- Space efficient display suitable for console or wall mounting
- Serial data output to Vessel Platform Management System
- Simple low-cost installation



The Scanjet PSM Connect-DI system is based on the established Scanjet PSM range of Marine tank contents gauging systems and configured specifically for the monitoring and display of vessel draught based on measurements from 2 or 4 hydrostatic transmitters.

Comprising a central processing module with a 7" touchscreen, and a single remote wall mount enclosure with dual inclinometers to measure trim and heel angles, the system is supplied pre-configured relevant to the intended application.

Installation is simple, the display can be located as required requiring only a single 24V DC supply, and the inclinometer enclosure on a suitable vertical bulkhead, with a single 4 core interconnecting cable.

Repeater displays can be added as required connected to the primary display via a dedicated Ethernet link.

The system includes correction parameters which relate the mounting location of the transmitters measuring vessel draught to the hulls markings to allow a draught display "at the marks".

These corrections also allow a display of vessel trim and heel based on current draught values.

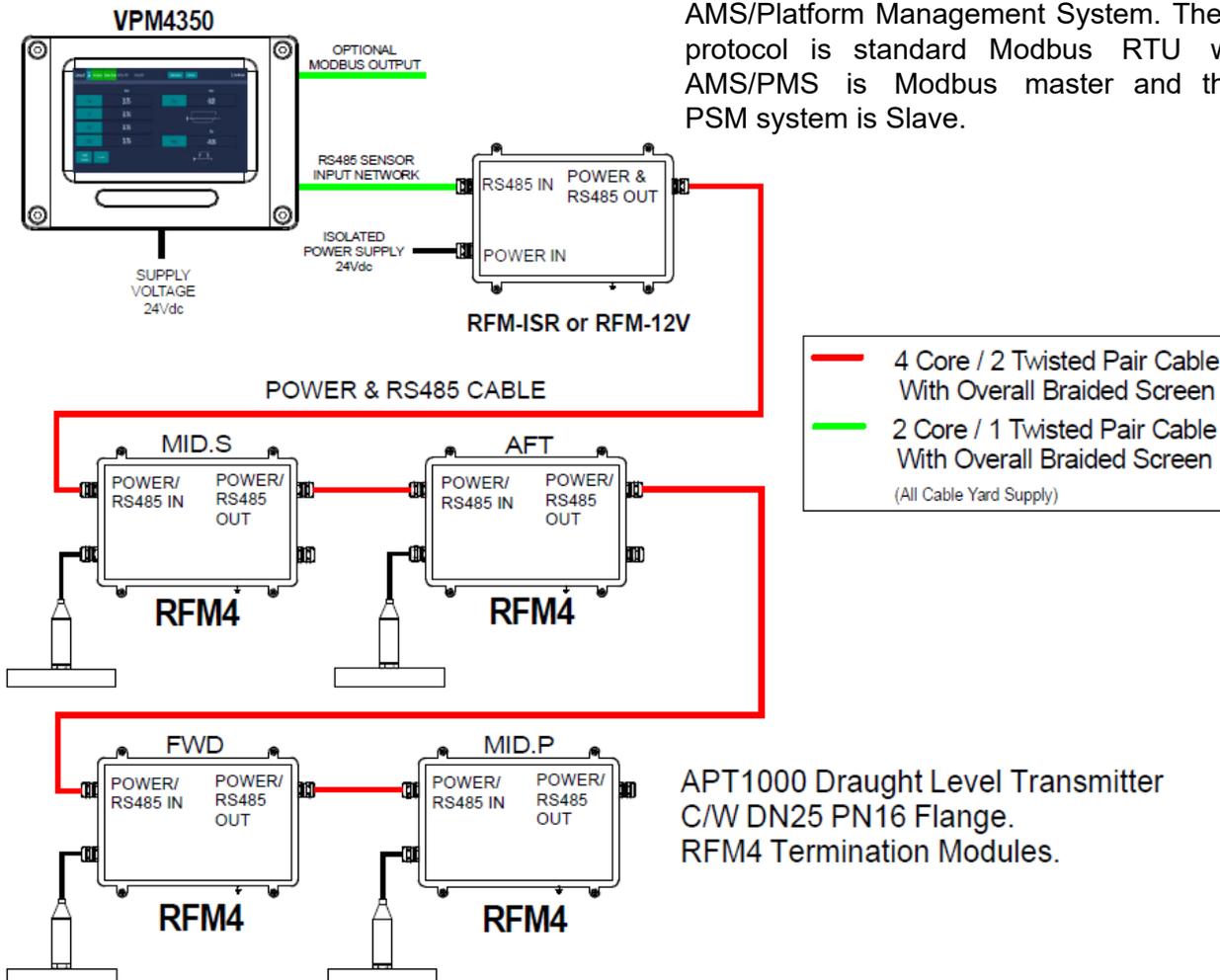
In operation the user can switch between 2 themes, dark and light, for night/day operation

Actual measurement of the draught is by 2 or 4 hydrostatic transmitters.

For a new build installation these are PSM's APT1000 transmitter which communicate directly with the display unit via an RS485 serial port.

For retrofit installations the display can be partnered with existing transmitters by including an interface/ converter.

A second RS485 port on the primary display allows connection to the vessels central AMS/Platform Management System. The exchange protocol is standard Modbus RTU where the AMS/PMS is Modbus master and the Scanjet PSM system is Slave.



APT1000 Draught Level Transmitter C/W DN25 PN16 Flange.
RFM4 Termination Modules.