

Connect DI A purpose designed system
for Measurement and Display of Vessel
Draught, Trim, & Heel



Key features

- Suitable for all Vessel Types
- Single, 2 point, or 4 point draught measurement with Trim and Heel calculation & display
- Screen layout is designed for maximum clarity of information
- Light & Dark mode (Day/ Night) display
- Corrected for display "at the marks"
- Repeater display options
- Serial data output to Vessel Platform Management System
- Space efficient display suitable for console or wall mounting
- Simple low-cost installation



DAT 64D May 2026

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, trim, and heel, based on measurements from 1, 2, or 4 hydrostatic transmitters.

The VPM central processing module has a 7" touchscreen, and connects to the PSM APT1000 level transmitters via an RS485 multi-drop network via RFM4 termination modules. The VPM requires a 24V DC supply (with provision for a secondary back-up connection) and an RFM-ISR at the head of the RS485 network provides a regulated supply to all transmitters and Intrinsic Safety compliance if any of the transmitters are mounted in a Hazardous Area.

The system is supplied pre-configured with all corrections necessary to relate the transmitters mounting location to the hull markings and provide a display of draught "at the marks"

Vessel Trim is calculated from the forward and Aft draught readings and for 4 point draught systems with midships transmitters, Heel angle may also be displayed.

A further variation uses a single draught measurement transmitter positioned centrally on the vessel and solid state inclinometers to measure Trim and Heel angles, and calculates draught values from the values.

Repeater displays can be added as required via a dedicated Ethernet link.

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

A separate 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 Draught system is Slave.

TYPICAL 4 POINT SYSTEM

