

8650 Operator Interface Terminal

Panel mounted touch screen display for tank gauging applications



Highlights

- Available in panel-mount enclosure suitable for rugged environments- NEMA 4X and IP66, CE, UL, & EMC certified.
- Two display sizes and resolutions - 7" (177 mm) diagonal WVGA 800 × 480 pixels or 12.1" (307 mm) WVGA 800 × 600
- Touch screen - easy to read in bright sunlight conditions.
- EIA-232 Connectivity for primary input. secondary serial input is optional (EIA-232, -422, or -485).
- 10/100Base-T Ethernet option; supports TCP/IP, UDP/IP and other protocols with Power-over-Ethernet (802.3af) option.
- Built-in speaker allows programming of audible alarms and alerts.
- Installation - no screw holes are required; a gasket and mounting hardware are included with the unit.

Application

The 8650 Operator Interface Terminal (OIT) is designed to be panel mounted in a remote control room. Acting as a MODBUS master, the 8650 OIT Polls data from any connected MODBUS slave device, such as a 8130 Remote Terminal Unit or 8300 Series TankGate Interface to receive tank data. Users can quickly and easily review the contents of up to 10 connected tanks without going into the tank farm.

Configuration & Programming

Each 8650 OIT must be configured for the specific application. All programming and configuration is performed by Varec's engineering services. Please contact a Varec sales representative for further information.



Technical Specifications

Each unit has two 9-pin serial ports (EIA-232 and EIA-232/422/485 Software-selectable), two 2.0 USB ports (for mice, keyboards and memory devices) and one 10/100 RJ45 Ethernet port.

Power

Input	10 to 32 VDC
Consumption	7" – 7 W @ 24 VDC typical, 11 W @ 24 VDC max 12" – 9 W @ 24VDC typical, 13 W @ 24 VDC max

Mechanical

Size	7" – 8.7 in (223mm) X 6 in (153mm) X 2.6 in (66mm) 12" – 13.6 in (344.4mm) x 10.5 in (267mm) x 2.7 in (69.1mm)
Weight	7" – 2.2 lbs (1 kg) 12" – 4.5 lbs (2.05 kg)

Environmental

Temperature	-22° F (-30° C) to 158° F (70° C)
Humidity	5 to 95% non-condensing

Certifications

Hazardous Locations	ANSI/ISA 12.12.1 (formerly UL 1604(Class 1, Div 2
UL	UL508
CE	EN55022, EN55024, and EN60950
EMC	FCC Part 15



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