

TLS-350 Plus

Integrated solution for centralised, single system site monitoring



Modular design meets current business and regulatory requirements, with expansion capabilities for future needs

The TLS-350 Plus lets you choose the exact set of risk management and fuel management features you need today. As regulatory requirements and your business needs change, the flexible TLS-350 Plus platform allows you to add new features tomorrow. A safe investment, a smart decision.

Leading-edge leak detection technology

The TLS-350 Plus has defined the industry standard for tank monitoring systems with: advanced magnetostrictive probe technologies offering 0.76 LPH monthly monitoring and 0.38 LPH volumetric tank testing; accurate, automatic electronic line leak detection; and a complete line of standard leak sensors to monitor double-wall tanks, containment sumps, and wet or dry wells.

Plus, for 24-hour stations and high-volume operations, Continuous Statistical Leak Detection (CSLD), the most advanced leak detection technology available today, provides 24-hour, automatic leak detection without tank shutdown. No lost business. No lost operating time.

Leading-Edge Business Management Features

The TLS-350 Plus takes business management a step beyond normal fuel inventory management.

If equipped with the appropriate Dispenser Interface Module, the TLS-350 Plus will reconcile fuel sales to inventory on an hourly basis (HRM). The AccuChart™ auto-calibration functionality will provide you with the most accurate inventory readings available.

The internal modem options provide auto-dial fax capability, letting you send up to 16 different reports to up to 8 separate fax machines on a

programmable schedule and fax alarm messages instantaneously.

The optional fuel manager software available for the TLS-350 Plus allows you to track average daily fuel usage, predict the days of remaining inventory, and improve delivery scheduling.

By utilising Inform™, Veeder-Root's tank management software, all inventory management and environmental compliance can be easily centralised on a personal computer in one location. The use of these time and money saving options extend your investment in the TLS-350 Plus beyond environmental risk management requirements, improving your bottom line.

System Capabilities

- Continuous inventory monitoring
- Fast, 0.38 LPH & 0.76 LPH in-tank leak detection for up to 16 tanks
- CSLD option for continuous 24-hour leak detection
- Precision line leak detection
- Auto-dial fax capability
- Ethernet TCP/IP communications
- Advanced technology sensor compatibility
- Interstitial and piping sump leak sensing for up to 64 sensors
- Vapour and groundwater monitoring for up to 40 wells
- External inputs
- Relay outputs
- HRM hourly reconciliation

- Fuel Manager delivery planning software
- Programmable alarms
- Data communications
- Certified leak detection
- Proven performance in the field
- Easy upgrade to 350R specification

Emergency Generator Applications

- Selectable via programming
- One system handles mix of standard and emergency generator tanks
- Records generator activity
- Complete inventory reports before and after generator operation



Fuel Dispensing and Control • Site and Retail Management • Support Services

Standard Models

Part number	UL 115 Volt	ATEX 230 Volt	Description
848290-022	848260-024		TLS-350 Plus Monitoring Console with Integral Printer (includes Printer Communications Module)
848290-002	848260-004		TLS-350 Plus Monitoring Console without Integral Printer
848291-002	848261-004		TLS-350 Plus PC Version without Printer or Keyboard (requires Inform™ single site software)

TLS-350 Plus Interface Modules

The TLS-350 Plus monitoring console contains three compartments in which individual interface modules can be installed. Interface modules may be factory-installed in the console upon initial ordering, or ordered separately as spare modules to expand an existing system.

Part number	Description	Feature Compatibility (where applicable)	UL	ATEX
LOW-POWER COMPARTMENT				
329356-002	Four-Input Probe Interface Module	Series 8463 Mag Plus Probes Series 8493 Low Level Magnetostrictive Probes	✓	✓
329358-001	Eight-Input Interstitial/Liquid Sensor	Series 7943 Interstitial Sensor for Fiberglass Tanks and Interstitial Sensor for Steel Tanks Series 7943 Piping Sump Sensor Series 7943 Hydrostatic Sensor Liquid Interstitial Sensor	✓	✓
329357-001	Five-Input Vapor Sensor Interface Module	Series 7943 Vapor Sensor	✓	✓
329399-001	Five-Input Groundwater Sensor Module	4SITE Series 7943 Groundwater Sensor	✓	✓
329956-001	Eight-Input Type A Sensor Interface Module	4SITE Series 7943 Discriminating Interstitial Sensor	✓	✓
329950-001	Six-Input Type B Sensor Interface Module	4SITE Series 7943 Discriminating Dispenser	✓	
330843-001	Six-Input Pressurized Line Leak Interface Module (One per console)	Series 8484 Pressurized Line Leak Detection System Requires Version 7.0 or higher console software	✓	✓
HIGH-POWER COMPARTMENT				
329359-001	Four-Relay Output Interface Module		✓	✓
329360-001	Two-Input/Two-Relay Output Interface Module		✓	✓
329999-001	Pump Sense Interface Module	Accepts up to four inputs	✓	✓
330374-001	Three-Output Pressurized Line Leak	Series 8484 Pressurized Line Leak Detection System	✓	
330374-002	Controller Interface Module (Two per console)	Requires Version 7.0 or higher console software		✓
COMMUNICATIONS COMPARTMENT				
330149-001	SiteFax Interface Module	Allows hookup to most remote facsimile, modem or teletype equipment. Requires Version 3.0 or higher console software	✓	✓
330586-001	Dual-Port RS-232/RS-485 Interface Module	Provides 1 x RS-232 and 1 x RS-485 connection	✓	✓
461-100-4103	Dual-Port DIS Interface Module	As above, with RJ45 cable x 3m		✓
461-100-4102	Single Port DIS Interface Module	Provides 1 x RS-485 connection, with RJ45 cable x 3m		✓
330148-001	RS-232 Interface Module with Auxiliary Port (Slot 4 only)	Provides two 25-pin D-connectors for data transmission to P.O.S. terminal, printing device or computer	✓	✓
329362-001	RS-232 Interface Module	Provides a 25-pin D-connector for data transmission to P.O.S. terminal, printing device, or computer	✓	
330546-002	RS-232 SiteLink Interface Module	As above, with external modem compatibility	✓	✓
330000-001	Remote Printer Interface Module	Provides a 25-pin D-connector for data transmission to a remote serial printer	✓	✓
330020-425	Ethernet – TCP/IP Communications Module	Provides connectivity to local and wide area networks (LAN/WANS)	✓	✓
532-100-2021	Internal Landline Modem	Version 23.0 software or higher requires modem adapter137-003-000X		✓
532-100-2022	Internal GSM Modem	Version 23.0 software or higher, no SIM card		✓

Specifications

Operating Temperature Range	0°C to 45°C (32°F to 118°F)
Storage Temperature Range	-10°C to 45°C (15°F to 118°F)

Dimensions

Width x Height x Depth:	51 x 33 x 19cm
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