

Console Description

The TLS-450PLUS Automatic Tank Gauge (ATG) is a powerful tool that allows fueling operations to run at peak efficiency, with easy to understand navigation, streamlined inventory and compliance reporting, and powerful business analytics. It can monitor up to 64 tanks, or 32 tanks with Business Inventory Reconciliation (BIR). Frequent releases of operating software for the TLS-450PLUS tank gauge assures that data is secure and software features are routinely updated and enhanced.


TLS-450PLUS Consoles, Standard Hardware & Software
Part # & Description

0860091-302 TLS-450PLUS Console with 8" Color Touch Screen Display, Printer, 3 Ethernet and Dual USB/Expansion, Dual RS-232/RS-485, UL/cUL

Standard Hardware & Application Software

Software – 0333545-001 Application Software (must be ordered with Console) includes Web-enabled, Custom Alarm, On-Console Help, Extended Storage, TLS-Expansion, Static Leak Detection, 3 GPH DPLLD

Hardware – 8" Color Touch Screen Display, Printer, 3 Ethernet and Dual USB/Expansion, Dual RS-232/RS-485

Devices

Module Compatibility	Inputs Per Module	Power Modules	Console				TLS-XB 1				TLS-XB 2				TLS-XB 3				Modules Per System
			Slots				Slots				Slots				Slots				
			1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	
			TLS-450PLUS System																
USM	16	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	16	
UIOM	14 ¹	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	16	
10-Amp Relay	6				●			●				●				●		4	
MDIM	12	●	●	●	●	●												5	
LVDIM	12	●	●	●	●	●												5	

¹ (14) total inputs include (5) AC Inputs, (5) Relay Contracts, (4) 12VDC Inputs

Communications

Module	Communication Modules	Console										Modules Per System	Type
		1 ⁴		2		3		4		5			
		P1	P2	P1	P2	P1	P2	P1	P2	P1	P2		
		TLS-450PLUS System											
RS-232		●		●		●	Ethernet Module (3 Ports) (Fixed)		USB Module (2 Ports) (Fixed)		3	Hardware	
Dual RS-232	●	●	●	●							3	Hardware	
RS-485		●		●		●					3	Hardware	
Dual RS-485 ¹	●	●	●	●							3	Hardware	
RS-232/RS-485 ¹	●	●	●	●							3	Hardware	
Internal Modem		●		●		●					3	Hardware	
CDIM	●		●								1	Hardware	
EDIM ²	●	●	●	●		●					3	Software	
IFSF LON ³		●		●		●		1	Hardware				

¹ When placed in Slot 3, only Position 2 will be functional

² EDIM can be programmed in any position with an RS-232 port – up to 3 per system

³ Can be combined with EDIM

⁴ Console ships standard with dual RS-232 or dual RS-232/RS-485 card in Slot 1

TLS-450PLUS Device & Communications Module Compatibility

TLS-450PLUS Device Modules	Part # & Description		Maximum # of Modules per Console	# of Inputs per Module	Availability	
	Universal Sensor Module (USM) Interface for all Probes, Sensors, and DPLLD	0332812-001 – Factory Installed Module 0330020-619 – Spare Part Module	Up to 4 for each TLS-450PLUS and/or TLS-XB or a maximum of 16 modules per system	16	Sold Separately (either Factory Installed or as a Spare Part Module)	
	USM Interface for all Probes, Sensors, and DPLLD with ATM Module – TLS-450PLUS Installed	0332812-006 – Factory Installed Module 0330020-619 – Spare Part Module	Up to 4 for each TLS-450PLUS and/or TLS-XB or a maximum of 16 modules per system	16 inputs + 1 Atmospheric Module (ATM)		
	Universal Input/Output Interface Module (UIOM) for Relay Control and Input Signal Monitoring	0332813-001 – Factory Installed Module 0330020-620 – Spare Part Module	Up to 4 for each TLS-450PLUS and/or TLS-XB or a maximum of 16 modules per system	5 dry contact output relays / 4 low voltage dry contact inputs / 5 high voltage inputs (<=240 VAC)		
	10-Amp Relay Module has 6 high power outputs / 6 low voltage inputs / must be installed in slot 4 of TLS-450PLUS and TLS-XB	0333564-001 – Factory Installed Module 0330020-814 – Spare Part Module	Up to 1 for each TLS-450PLUS and/or TLS-XB or a maximum of 4 modules per system – <i>* Required to be installed in slot 4 only</i>	4		
	BIR/AccuChart™ LVDIM for TLS-450PLUS, 12 Inputs	0333581-001 – Factory Installed Module 0330020-800 – Spare Part Module	Up to 3 per System			
	BIR/AccuChart MDIM for TLS-450PLUS, 12 Inputs	0333582-001 – Factory Installed Module 0330020-799 – Spare Part Module	Up to 3 per System			
TLS-450PLUS Communications Modules	Part # & Description		Maximum # of Modules per System	Availability		
	RS-232 Dual Interface Module (Comm. Slots 1,2,3), for TLS-450PLUS Max # of Modules per System: Up to 3 per system, 2 per console maximum	0332868-001 – Factory Installed Module 0330020-617 – Spare Part Module	Up to 3 per System	Sold Separately (either Factory Installed or as a Spare Part Module) For Spare Part “upgrade” kits, the BIR/ AccuChart Feature Enhancement will be shipped on a Veeder-Root iButton adapter – P/N 0330020-659		
	Single RS-232 Interface Module (Comm. Slots 1,2,3), for TLS-450PLUS	0332866-001 – Factory Installed Module 0330020-613 – Spare Part Module				
	Single RS-485 Interface Module	0332867-001				
	Dual RS-485 Interface Module	0332869-001				
	RS-232/RS-485 Dual Interface Module (Comm. Slots 1,2,3), for TLS-450PLUS	0332870-001 – Factory Installed Module 0330020-618 – Spare Part Module	1 per System			
	SiteFax™ Interface Module (Comm. Slots 1,2,3), for TLS-450PLUS	0332818-001 – Factory Installed Module 0330020-612 – Spare Part Module				
	BIR/AccuChart EDIM for TLS-450PLUS	0333149-001 – Factory Installed 0330020-801 – Upgrade Kit				
	BIR/AccuChart CDIM for TLS-450PLUS, 3 Inputs	0333580-001 – Factory Installed 0330020-802 – Upgrade Kit				
	IFSF LON Interface Module (Comm. Slots 1,2,3), for TLS-450PLUS	0333659-001 – Factory Installed Module 0330020-828 – Spare Part Module				