



TLS-XB Expansion Box

Expand the number of inputs to your TLS-450PLUS or TLS4 Automatic Tank Gauge

Broaden Your Site Capabilities

Combine up to three TLS-XB Expansion Boxes with your TLS-450PLUS Automatic Tank Gauge (ATG) or one TLS-XB Expansion Box with your TLS4 ATG to provide a flexible system solution that grows with your fuel management needs.



► KEY FEATURES

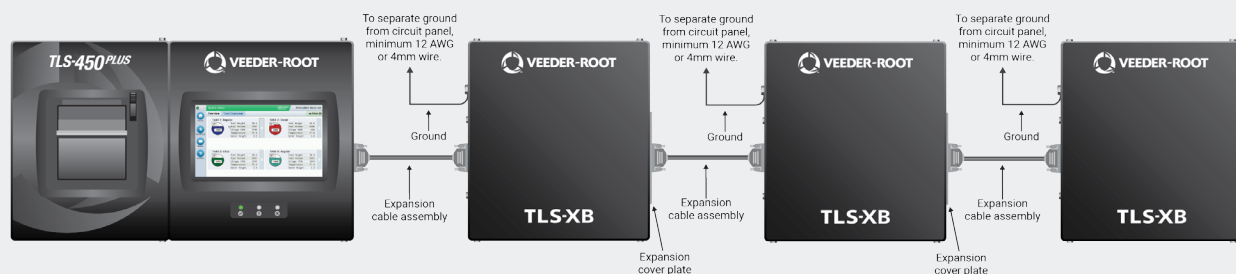
- Compatible with existing TLS-450PLUS and TLS4 Interface Modules (see the TLS-450PLUS and TLS4 Module Compatibility tables on the next page)
- Each TLS-XB can accommodate 4 modules
- Provides additional Input and Output Relay capabilities
- Select from various cable lengths for maximum flexibility (see the Ordering Information section on the next page)

Specifications	TLS-450PLUS	TLS4
Maximum number of universal probe and/or sensor inputs	64/128/192/256 ¹	12/76 ¹
Maximum number of probes	64	12/32 ¹
Maximum number of any one type of sensor	99 ²	12/76 ¹
RS-232	5	2
RS-485	3	2
External USB 2.0	2	2
Ethernet Ports	3	3
Operating Temperature	+32°F to +104°F (0°C to +40°C)	+32°F to +122°F (0°C to +50°C)
Storage Temperature	-40°F to +158°F (-40°C to +70°C)	
Dimensions	18.4" (H) x 8" (W) x 5" (D)	
Approvals	Intrinsically Safe, UL/cUL	

¹ TLS-450PLUS can have up to three TLS-XB; TLS4 can have one TLS-XB

² Available on version 6.A or higher

TLS-XB EXPANSION CABLE ASSEMBLY KIT CONTENTS



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TLS-XB Expansion Box

► TLS-450PLUS MODULE COMPATIBILITY

The TLS-450PLUS ATG contains four compartments to interchangeably install modules. These modules are factory installed. To perform line leak detection, the TLS-450PLUS requires a Digital Pressurized Line Leak Detection (DPLLD) sensor, both the Universal Sensor Module (USM) and Universal Input/Output Interface Module (UIOM), and a software enhancement feature.

Device Name	Module Type	Module Part Number	Total # Inputs Per Module	Total Devices Per System *
DPLLD	Universal Sensor Module (USM)	0332812-001	16	16
Probes				64
Sensors				99 per sensor type
Mechanical Pulser	Mechanical Dispenser Interface Module (MDIM)	0330020-681	12	48
Low Voltage Pulser	Low Voltage Dispenser Interface Module (LVDIM)	0330020-680	12	48
Input / Output	Universal Input/Output Interface Module (UIOM)	0332813-001	5 Dry Contact Relays 5 High Voltage Inputs 4 External Dry Contacts	32 Dry Contact Relays (<=240VAC) 32 High Voltage Inputs (<=240VAC) ** 32 External Dry Contacts (<=12VDC) **
	10-Amp Controller Module	0333564-001	6 High Voltage Inputs 6 Dry Contact Relays	24 High Voltage Inputs 24 Dry Contact Relays ***

* Maximum number for a TLS-450PLUS ATG with up to 3 TLS-XB Expansion Boxes

** This is not 32 for each type, but a total of 32 combined

*** 10-Amp Relay must be installed in slot 4 of TLS-450PLUS and TLS-XB

► TLS4 MODULE COMPATIBILITY

The compact TLS4 ATG combines precision performance, customization, and ease of use to deliver proven results. The TLS4 has 12 universal sensor or probe inputs and can be upgraded to 76 universal inputs when connected to a TLS-XB Expansion Box.

Device Name	Module Type	Module Part Number	Total # Inputs Per Module	Total Devices Per System *
Probes	Universal Sensor Module (USM)	0332812-001	16	32
Sensors				76 per sensor type
Mechanical Pulser	MDIM****	0330020-681	12	12
Low Voltage Pulser	LVDIM****	0330020-680	12	12
Input / Output	IOM	0332813-001	5 Dry Contact Relays 5 High Voltage Inputs 4 External Dry Contacts	22 Dry Contact Relays (<=240VAC) 20 High Voltage Inputs (<=240VAC) ** 17 External Dry Contacts (<=12VDC) **
	10-Amp Controller Module	0333564-001	6 High Voltage Inputs 6 Dry Contact Relays	6 High Voltage Inputs 6 Dry Contact Relays ***

* Maximum number for a TLS4 ATG with 1 TLS-XB Expansion Box

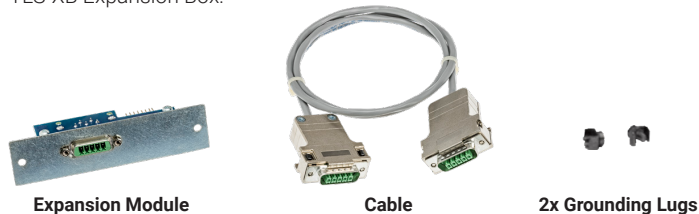
** This is not 20 or 17 for each type, but a total of 20 combined

*** 10-Amp Relay must be installed in slot 4 of TLS-XB

**** MDIM and LVDIM must be installed in slot 1 of the TLS-XB, when connected to a TLS4 console

► ORDERING INFORMATION

The TLS-XB requires an expansion cable assembly for proper connection to the system. Order one cable kit per TLS-XB Expansion Box, that fits the required distance for your application. One TLS-XB Cable Kit is required per TLS-XB Expansion Box.



Part Number	Description
0860390-100	TLS-XB Expansion Box, UL
0330020-761	TLS-XB Install Kit with 3' Cable
0330020-762	TLS-XB Install Kit with 6' Cable
0330020-729	TLS-XB Install Kit with 10' Cable
0330020-730	TLS-XB Install Kit with 15' Cable
0330020-731	TLS-XB Install Kit with 25' Cable
0333416-004	TLS-XB 3' Cable for TLS4



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