

Description

We have taken our **PROTEUS-K** controller with its proven reliability, advanced technology, versatility, scalability, and enhanced features and packaged it with inventory only probes, 2" stainless steel floats, and 2" AST cap assembly kit to offer an economical solution for monitoring above ground storage tanks.

The **PROTEUS PK** accepts up to 16 of OMNTEC's Bright Eye (BX Series) Sensors for distinguishing product from water or for simply detecting the presence of liquid. A distinct advantage of Bright Eye sensors is they are networked and utilize 4 wire bus technology.

PROTEUS PK does not require sensor or probe input modules, bringing ease to ordering and installation. A built-in microprocessor gives each sensor the ability to identify itself and its location, which is displayed along with alarm conditions on the **PROTEUS** 7-inch color touch screen graphic display.

PROTEUS PK does not require additional modules to drive a remote light and horn, as three programmable on board relays facilitate this function.

With OMNTEC's proven reliability, the **PROTEUS PK** offers an attractive, comprehensive, and user-friendly system that can open doors to endless possibilities.

Features

- AST Kits include up to 4 MTG-V Magnetostrictive Probes with 2" SS Floats
- Includes 2" AST Cap Assembly Kit
- Accepts up to 16 Bright Eye Sensors using state of the art 4 wire bus technology
- 1 RS-232 port
- 1 RS-485 port (optional)
- 7-inch color touch screen graphic display
- SD memory card slot (for extended logging)
- Modbus RTU & TCP upgradeable
- Ethernet / TCP/IP standard
- Built in web server
- E-mail / Text capability standard
- Remote display option
- 3 built in programmable relays
- Flash based non-volatile memory for program storage (does not require a battery)

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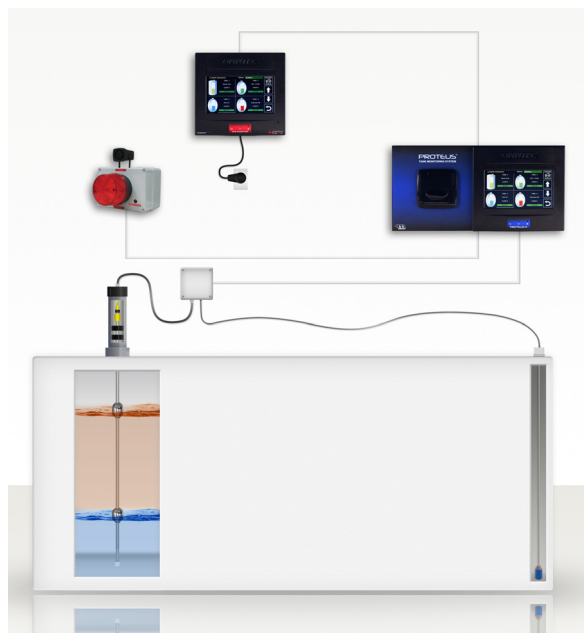
PROTEUS®

AST Kit Packages

Automatic Tank Gauging and Leak Detection System



PROTEUS PK Application



Specifications						
Input Power:	100-240 VAC +/- 10% 50/60 Hz 60 watts					
Voltage to Sensors:	12 VDC					
Voltage to Probes:	28 VDC					
Audio Visual Controls:	Color 7-inch graphic display with touch screen 85 dB piezoelectric horn 36-character thermal 3 LED's (OK, Warning, Alarm)					
Display:						
Audible alarm:						
Printer:						
System status:	3 LED's (OK, Warning, Alarm)					
Relay Outputs:	120 VAC @ 0.6 amp resistive 3 SPST Failsafe					
Low-voltage Outputs:	12 VDC @ 150 mA					
Operating Temperature:	20 to 140° F (-7 to 60° C) -40 to 160° F (-40 to 71° C)					
Controller:						
Probe:						
Compatible Sensors:	BX-Series Sensors (refer to document no. 900106)					
BX-Series Sensor Cable:	Shielded 22 AWG with drain wire (OMNTEC EC-4) Maximum length 2,000 feet (610m)					
Compatible Probes:	MTG-V Series Inventory only rigid gauging probe up to 132" overall length (refer to document no. 900199)					
MTG Probe Cable:	OMNTEC EC-2 (Shielded Belden #8761) Low Inductance: equal or less than 0.2 microhenries per foot Maximum length 1,000 feet (305m) Consult representative for longer wire runs.					
Accessories:	RD7CTS Mini-Me remote display RAS Series Remote annunciators PS-103 Thermal printer DPU-C Thermal paper XC-R8 External relay expansion X232-420 External RS-232 to 4-20 ma converter DB-485 RS-485 board					
Controller Dimensions:	(h) 7.73" (w) 15.21" (d) 5.53"					
Approvals:	UL-listed & CUL-listed <div><div>IECEx UL 13.0057X [Ex ia Ga] IIB</div><div>LISTED 5L04</div><div> 0539  II (1) G [Ex ia] IIB</div><div>DEMKO 13 ATEX 1341071X</div></div>					
Kit Consists of the following:	P/N	Controller OEL8000IIIK4	Printer PS-103	Inventory Only Probe MTG-V	2" SS Floats SSF-2	2" Cap Assembly Kit* 2IN-CAPAST
	PK1	1	Y	1	1	1
	PK2	1	Y	2	2	2
	PK3	1	Y	3	3	3
	PK4	1	Y	4	4	4
	PK1NP	1	N	1	1	1
	PK2NP	1	N	2	2	2
	PK3NP	1	N	3	3	3
	PK4NP	1	N	4	4	4

Specifications subject to change without notice, verify with manufacturer.

*2" Cap Assembly Kit (2IN-CAPAST) consists of 2" cap, flex conduit, and 3 ft. probe cable.

Important: PROTEUS PK Tank Gauging Kits do not come pre-programmed.

