

Application

- The suspension probe kits should be used when performing leak detection or density measurement on underground storage tanks.
- The bottom mount probe kits should be used with inventory control probes on aboveground or underground storage tanks where leak detection is not required
- The TSP-K4AS install kit is for use with chemical or other installations where it is desirable for the probe head to be outside of the riser. It consists of a #316 SS 4" cap and compression fitting that is installed on the probe shaft so that only the floats and shaft are exposed to the tank contents. Includes TSP-UVPK probe head protection kit.
- The TSP-LPGK install kit is for use with pressurized LPG tanks where the probe head will reside outside of the tank opening. It consists of a special compression fitting, designed to retain the contents of the pressurized tank, that is installed on the probe shaft and then inserted into a user supplied cap with a 3/4" NPT hole. Includes TSP-UVPK probe head protection kit.

Advantages

- A variety of installation options to meet all applications.
- Quality seals and compression fittings keep vapors in and water out.
- Quick release caps for easy access for inspections or maintenance.
- Suspension kits ensure vertical orientation and ultimate accuracy.

Probe Installation Kits

Probe installation kits are used to install magnetostrictive probes in various underground/aboveground tank applications, ensuring that tanks are properly sealed in accordance with regulatory requirements. Two primary kit types allow you to choose the most efficient probe installation method. The suspension mount probe kits, required for leak detection or density measurement applications, suspend the probe from the top of the riser allowing it to hang down into the tank, ensuring vertical installation and ultimate accuracy. The bottom mount probe kits, ideal for inventory control probes which include bottom mount hardware, allow you to install the probe so that it rests on the tank's bottom which can greatly reduce installation time and costs. Both 4" kits employ the quick release riser cap which allows easy access to the probe for inspection if required and eliminates any twisting of the probe or cable that may occur during installation. The cable grip ensures the probe cable is secure and the tank is properly sealed.



Suspension Mount Probe Kits

Part Number	Description
TSP-K2A	Leak detection probe install kit for 2" riser pipes
TSP-K2B	Leak detection probe install kit for 2" riser pipes with BSP threads
TSP-K4A	Leak detection probe install kit for 4" riser pipes
TSP-K4B	Leak detection probe install kit for 4" riser pipes with BSP threads

Bottom Mount Probe Kits

Part Number	Description
TSP-C4A	Inventory probe install kit for 4" riser pipes
TSP-C4B	Inventory probe install kit for 4" riser pipes w/ BSP threads
TSP-C2A	Inventory probe install kit for 2" riser pipes
TSP-C2B	Inventory probe install kit for 2" riser pipes w/ BSP threads
TSP-K4AS	#316 stainless steel mag probe install kit for 4" riser pipes
TSP-LPGK	LPG probe install kit, 149" maximum LL2 probe length

Note: TSP-LPGK install kit is not needed when locally supplied tank isolation sleeve is utilized.

Cables

Part Number	Description
600-0042	Belden #87761, runs up to 500' (500' rolls)
600-0055	Belden #89182, runs 500' to 1,500' (500' rolls)
600-0080	Quick disconnect probe cable

Notes: 1. Cable is sold in 500' rolls.

2. Use only these cables with the TSP-LL2 and TSP-LL2I probes.

Accessories

Part Number	Description
TSP-DBI	One direct burial splice connector kit
TSP-DBI0	Pack of 10 direct burial splice connector kits
TSP-DBTOOL	Epoxy dispensing tool
TSP-KW30	Pack of 30 3M splice connectors
TSP-UVPK	Ultraviolet protection kit - protects probe electronics when installed in AST applications

Notes:

1. Use the TSP-DBI or TSP-DBI0 for direct burial cable applications or when weatherproof junction boxes are not used.

2. The DBTOOL is required to dispense the epoxy.

3. Each direct burial splice connector kit includes a receptacle, three splice connectors and epoxy for the dispensing tool.