



## ESPY® TUBE ADAPTERS

### Monitoring Liquid Levels in Chemical Storage and Process Tanks

The all-plastic, chemically resistant enhanced design provides accurate, reliable level monitoring in the harshest environments.

### Sight Tube Level Indication in a Chemical Storage Tank

In all your applications involving chemical storage waste tanks, staging tanks, day tanks, pressure vacuum vessels or other types of plastic or glass containment, Espy® tube adapters are perfect for monitoring your liquid levels. Simply clamping a tube adapter around a sight tube gives you a non-intrusive 360° sensing field. Because you mount the tube adapter outside the vessel, you no longer have to worry about potential media contamination common with intrusive devices such as float switches and bubblers.



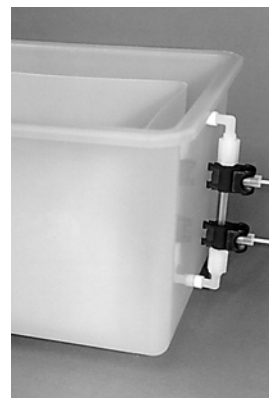
Espy® tube adapters are used on this pressure vessel for high level and low level liquid monitoring.

#### Hinge Design

With the innovative hinge design, you do not incur the added expense and maintenance of separate mounting brackets, and if you need to reposition the sensor, simply unscrew it and move it up or down – no more disassembling your plumbing or dismantling cumbersome mounting brackets!

### Process Tank Level Monitoring

As in storage tank applications, the Espy® tube adapter is ideal for process tank level monitoring because, unlike floats and N<sub>2</sub> bubblers, it is non-intrusive. When attached to the tank's sight tube, the accuracy is unparalleled due to the 360° sensing field. In addition, the tube adapter does not have any moving parts so it will not wear out or generate particles that can contaminate your process like floats and bubblers do. The all-plastic construction of the tube adapter is also advantageous because it can withstand the hazardous chemicals in the tank, and can handle process temperatures up to 392°F (200°C).



Liquid levels in this process tank are monitored by an Espy® tube adapter. The 360° sensing field provides unparalleled accuracy.

#### Spray Down Applications

Recent product improvements have enhanced the tube adapter's performance in severe wash down environments. A new compression clip ensures seal integrity so you can leave the sensor in place during wash down. No drying is required after spray down – common practice with proximity sensors – saving you valuable time and resources.

## Features and Benefits

<b>Feature</b>	<b>Benefit</b>
Remote electronics	Protection from hazardous or corrosive environments
All plastic, Zintek™ material	Corrosion resistant, high temperature tolerance (up to 392°F [200°C])
Injection molded components	Reliable, repeatable performance at affordable price
Nonintrusive sensors, PFA-coated cable	High purity
Shielded electronics	RF Immunity
Small probe and adapters	Compact design
Three-component system (cable, electronics, adapter)	Eases repairability
Adjustable alarm output: NPN/PNP, NO/NC	Installation flexibility

## Ordering Information

<b>Part Number</b>	<b>Description</b>
ES-TS-04	1/4" tube adapter
ES-TS-06	3/8" tube adapter
ES-TS-08	1/2" tube adapter
ES-TS-12	3/4" tube adapter
ES-TS-16	1" tube adapter

*Custom adapters are available for pipe sizes and metric sizes.  
Please consult the factory with your specific requirements.*

## For More Information

Contact your local Entegris distributor or visit  
Entegris' Web site at [www.entegris.com](http://www.entegris.com).

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**NT INTERNATIONAL, An Entegris Company**  
5155 East River Road / Minneapolis, Minnesota 55421 USA  
Customer Service Tel. 763-502-0200 or Toll Free 877-503-0200 / Customer Service Fax 763-502-0300  
[www.entegris.com](http://www.entegris.com) / [www.nt-intl.com](http://www.nt-intl.com)

**ENTEGRIS, INC.**  
Corporate Headquarters / 3500 Lyman Boulevard / Chaska, Minnesota 55318 USA  
Tel. 952-556-3131 / Fax 952-556-1880  
[www.entegris.com](http://www.entegris.com)

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