

# Liquid Leakage Point Sensor F03-16PS

CSM\_F03-16PS\_DS\_E\_4\_1

## A New Liquid Leakage Point Sensor Has Been Added to the K7L Series. Fluoroplastic Coating on the Bottom Electrode Ensures Chemical Resistance.

- Can be used in conjunction with Sensing Bands.
- Stud screw mounting requires no tools for installation.
- No tools means the Sensor can be wiped clean quickly and easily.
- The optional Mounting Bracket enables faster installation than three-screw mounting.
- Connect multiple Sensors to one K7L Amplifier for significant cost savings.



**Free-cut** Indicates models that allow free cutting.

## Ordering Information

### Sensors

Product name	Main material	Cable material	Electrode material	Model
Liquid Leakage Point Sensor	Polyethylene	Outer sheath: PVC Inner sheath: Fluoroplastic	SUS304	<b>F03-16PS</b>
			SUS304 and fluoroplastic coating	<b>F03-16PS-F</b> (See note 1.)
Mounting Brackets (See note 2.)		---	---	<b>F03-26PS</b>
Terminal Block (See note 3.)	Nylon 6.6	---	---	<b>F03-20</b>

**Note:** 1. The electrode is fluoroplastic-coated.  
2. Use a commercially available bonding agent for PVC. One bag contains 10 Brackets.  
3. One bag contains 10 Blocks.

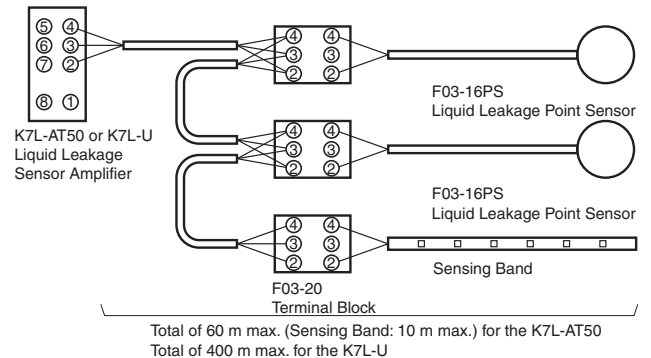
## Specifications

<b>Material</b>	<b>Sensor Amplifier</b>	Polyethylene
	<b>Conductor</b>	Outer sheath: PVC, Inner sheath: Fluorine resin
	<b>Core</b>	F03-16PS: SUS304 stainless steel F03-16PS-F: SUS304 and fluorine coating
<b>Ambient operating temperature range</b>		-10 to 60°C
<b>Weight</b>		Approx. 30 g
<b>Maximum number of Point Sensors per Amplifier</b>		Any number of Point Sensors can be connected as long as the following conditions are met. K7L-AT50 (K7L-AT50D cannot be used): 60 m max. K7L-U (-UD cannot be used): 400 m max. 61F-WL-CP□-NRA: 200 m max.

## Wiring Diagram

Any number of Sensors can be connected in parallel up to an overall cable length of 400 m. Leakage areas cannot be specified with the K7L.

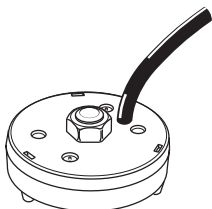
K7L-AT50 (operating resistance: 50 MΩ max.): 60 m max.  
K7L-U (operating resistance: 1 MΩ max.): 400 m max.  
However, the leakage area cannot be identified with the K7L-AT50.



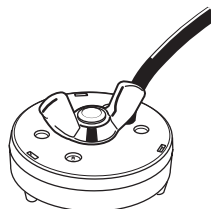
## Mounting Methods

### Stud Screw Mounting

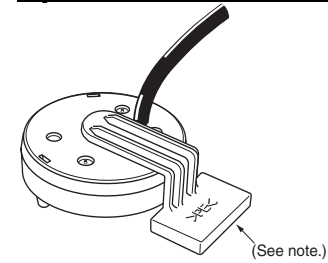
Securing the Sensor with a Nut



Securing the Sensor with a Wing Nut



### Special Bracket Mounting



**Note:** Use a commercially available bonding agent for PVC.

ALL DIMENSIONS SHOWN ARE IN MILLIMETERS.

To convert millimeters into inches, multiply by 0.03937. To convert grams into ounces, multiply by 0.03527.

In the interest of product improvement, specifications are subject to change without notice.

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