## **Liquid Leakage Point Sensor**

# )3-16PS

CSM\_F03-16PS\_DS\_E\_2\_5

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
- · 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		Outer sheath: PVC Inner sheath: Fluoroplastic	SUS304	F03-16PS
			SUS304 and fluoroplastic coating	F03-16PS-F (See note 1.)
Mounting Brackets (See note 2.)				F03-26PS
Terminal Block (See note 3.)	Nylon 6.6			F03-20

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

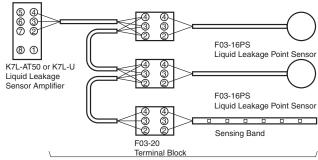
### **Specifications**

Material	Sensor Am- plifier	Polyethylene		
	Conductor	Outer sheath: PVC, Inner sheath: Fluorine resin		
	Core	F03-16PS: SUS304 stainless steel F03-16PS-F: SUS304 and fluorine coating		
Ambient operating temperature range		-10 to 60°C		
Weight		Approx. 30 g		
Maximum number of Point Sensors per Amplifier		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-GPN-V50: 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-AT50 (operating resistance: 50 M $\Omega$  max.): 60 m max. K7L-U (operating resistance: 1 M $\Omega$  max.): 400 m max. However, the leakage area cannot be identified with the K7L-AT50.



Total of 60 m max. (Sensing Band: 10 m max.) for the K7L-AT50 Total of 400 m max. for the K7L-U

### **Mounting Methods**

### Stud Screw Mounting

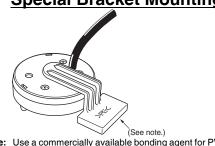
Securing the Sensor with a Nut



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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