# Liquid Leakage Point Sensor
# F03-16PS

CSM_F03-16PS_DS_E_2_2

**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<br>Inner sheath: Fluoroplastic | SUS304 | **F03-16PS** |
| | | | SUS304 and fluoroplastic coating | **F03-16PS-F** |
| Mounting Brackets (See note 1.) | | --- | --- | **F03-26PS** |
| Terminal Block (See note 2.) | Nylon 6.6 | --- | --- | **F03-20** |

**Note:** **1.** Use a commercially available bonding agent for PVC. One bag contains 10 Brackets.
**2.** One bag contains 10 Blocks.

## Amplifier

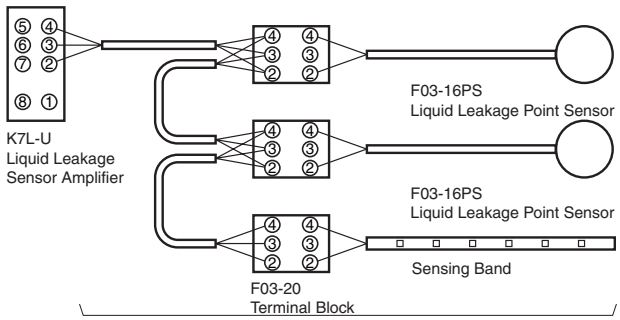
| Product name | Model |
|---|---|
| Liquid Leakage Sensor Amplifier | K7L-U |

# Specifications

| | | |
|---|---|---|
| **Material** | **Sensor Amplifier** | Polyethylene |
| | **Conductor** | Outer sheath: PVC, Inner sheath: Fluorine resin |
| | **Core** | F03-16PS: SUS304 stainless steel<br>F03-16PS-F: SUS304 and fluorine coating |
| **Ambient operating temperature range** | | –10 to 60°C |
| **Weight** | | Approx. 30 g |
| **Maximum number of Point Sensors connected per Amplifier** | | Any number up to an overall cable length of 400 m. |
| **Applicable Amplifier** | | K7L-U (excluding Liquid Leakage Sensor Amplifier with disconnection detection function) |

# Wiring Diagram

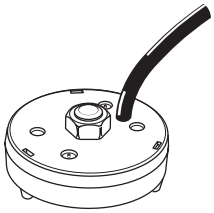
Any number of Sensors can be connected in parallel up to an overall cable length of 400 m. Leakage areas cannot be specified with the K7L.



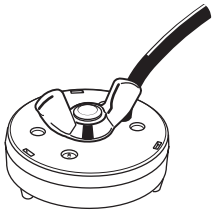

# Mounting Methods

## Stud Screw Mounting

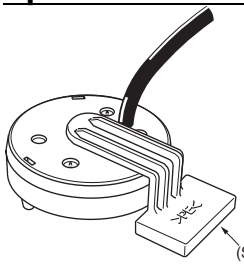
**Securing the Sensor with a Nut**



**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.

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