

ELECTRODE TYPE LEVEL SWITCH **KF-600**



Best Selling Line In Liquid Level Control
- Good sales record and reliable cost performance -

KF-600 ELECTRODE TYPE LEVEL SWITCH

**Liquid level switch for many different liquid control.
Robust housing and electrodes of various materials.**

* Special specs available.



■ Principle of Operation

Assembled with an amplifier on the market, it can detect level from the minute electric current possibly flowing between electrodes in the conductive liquids.

KF-650

Materials of housing / flange are selectable.
Electrode diameter and components can be selected.

* High temperature & High pressure type (KFB640) available..
* HT.PVC Flange is available as well.

KF-660N

KF-677

KF-688

KF-660N • 677 • 688

Only available is a housing type made of PVC.

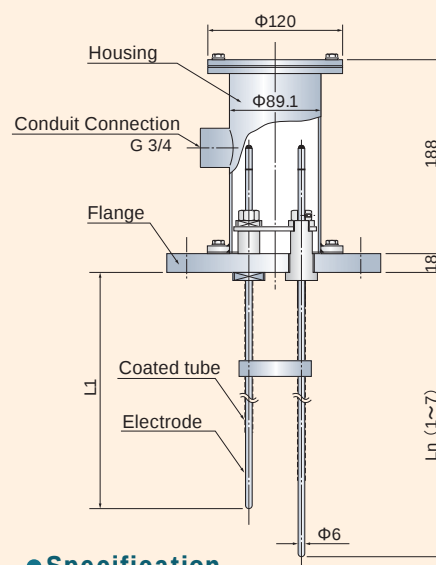
Housing material is PVC.

Material of electrodes is selectable.

Electrode diameter is $\Phi 6$ only.

* ASME & JPI can also be manufactured.

KF-650



● Specification

Diameter of Electrode : *Variable ± 50 mm possible (Electrode should not be jointed)

Quantity of Electrode (n) : 1 - 7

Separator : Standard, 1 each by every 2000mm

Flange : Over JIS10K100A

Electrode Material : SUS304, SUS316, SUS316L, Titanium
Hastelloy C & B

Flange Material : PVC, SS400, SUS304, others

Housing Material : PVC, SGP, SUS304, others

Painted color : Housing / munsell 5Y 7/1 (SGP only)

Flange / munsell 5Y 7/1 (SS400 only)

Mat. of sheathed Electrode : Polyolefin tube, Teflon tube

Mat. of stilling well : PVC, SGP, SUS304

* For long electrode, joint type is available

* Variable ± 50 mm possible (Electrode should not be jointed)

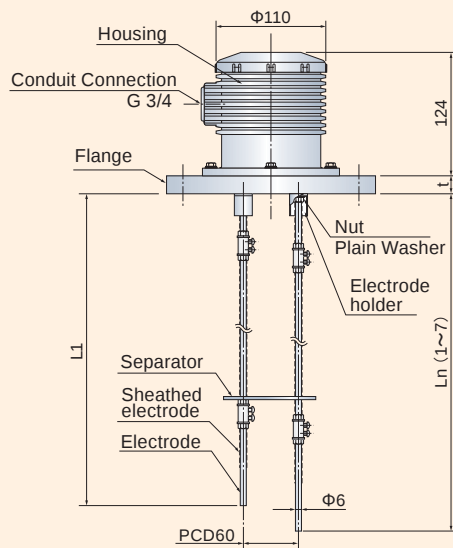
* Withstand pressure type can be available.

* Option : Housing, Flange / hot-dip galvanizing.

KF-650, Size of Flange / Electrode *Square flange and ASME/JPI flange can be available.

Diameter of Electrode	Φ6 / Φ8	Φ10 / Φ12		Φ15 / Φ20		
Quantity of Electrode	1 – 7	1 – 3	4 – 7	1	2 – 4	5 – 7
Smallest flange = JIS10K	100A		125A	100A	125A	200A

KF-660N



● Specification

Diameter of Electrode : Φ6mm only

Length of Electrode : Connected at every 1000mm for extension

Quantity of Electrode (n) : 1 - 9

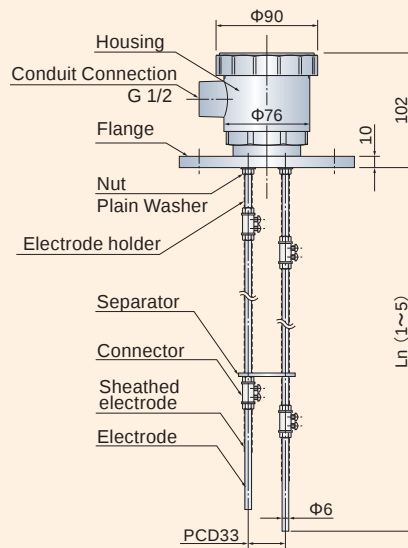
Separator : Standard, 1 each by every 2000mm

Flange : Over JIS10K100A

Flange Material : PVC, HT.PVC

Housing Material : PVC

KF-677



● Specification

Diameter of Electrode : Φ6mm only

Length of Electrode : Connected at every 1000mm for extension

Quantity of Electrode (n) : 1 - 5

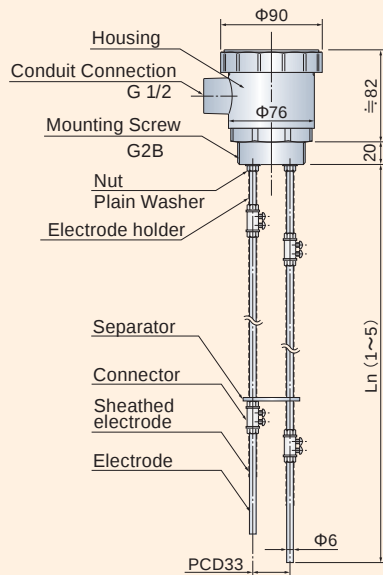
Separator : Standard, 1 each by every 1000mm

Flange : Over JIS10K50A-80A

Flange Material : PVC

Housing Material : PVC

KF-688



● Specification

Diameter of Electrode : Φ6mm only

Length of Electrode : Connected at every 1000mm for extension

Quantity of Electrode (n) : 1 - 5

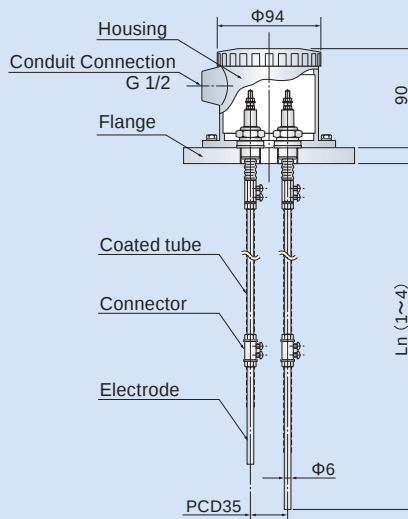
Separator : Standard, 1 each by every 1000mm

Mounting Screw : G2B

Mounting Screw Material : PVC

Housing Material : PVC

KFB 640 Special/High Temp. High Pressure, others



● Specification

Diameter of Electrode : Φ6mm only

Length of Electrode : Connected at every 1000mm for extension

Quantity of Electrode (n) : 1 - 4

Separator : Standard, 1 each by every 1000mm

Flange : 50A, JIS10K

Electrode Material : SUS316, Titanium, Hastelloy C

Flange Material : SS400, SUS304, SUS316

Housing Material : AC

*When the electrode exceeds 5, use the housing for KF-650 equivalent.

■ Material Table(KF-660N / -677 / -688) *Electrode consisting of hastelloy C & B is an unspliced bar.

Material of electrode rod	▶ SUS316	SUS316L	Titanium	Hastelloy C
Mat. of sheathed electrode	▶ Polyolefin	Teflon-tube	others	[]
Material of separator	▶ PVC	Teflon	others	[]
Material of stilling well	▶ PVC	others	[]	[]

Type Designation

KF-6□□-□

Quantity of Electrode = 1, 2, 3, 4, 5, 6, 7

Specification = 50

Terminal box fixing = Bolt on flange.
Flange dimensionstable = The size is available from the smallest one shown on the table.
Material = Selective
Diameter of Electrode = Φ6/ 8/ 10/ 15/ 20
Quantity of Electrode = up to 7 rods

= 60N

Terminal box fixing = Bolt on flange
Flange dimensionstable = Available from the minimum size of JIS10K100A.
Material = Only available is the standard housing/flange made of PVC.
Material of other parts is selective.
*Option : Ones made of HT & PVC can be available.

Diameter of Electrode = Φ6 only
Quantity of Electrode = up to 9 rods

= 77

Terminal box fixing = Integrated flange
Flange dimensionstable = JIS10K50A-80A
Material = Only available is the standard housing/flange made of PVC
Material of other parts is selective.

Diameter of Electrode = Φ6 only
Quantity of Electrode = up to 5 rods, 6-rod type is KF-670-6.

= 88

Terminal box fixing = Integrated thread.
Mounting Dimensions = G2B thread only
Material = Only available is the standard housing/flange made of PVC
Material of other parts is selective.

Diameter of Electrode = Φ6 only
Quantity of Electrode = up to 5 rods, 6-rod type is KF-680-6.

Special Specification / High temp, High pressure, others

KFB640-□

Quantity of Electrode = 1, 2, 3, 4

Specification = Terminal box fixing = Bolt on flange

Flange dimensionstable = JIS10K50A

Material = Terminal box is made of AC and flange SUS304 (standard)

Diameter of Electrode = Φ6 only

Quantity of Electrode = up to 4 rods, Consult with us for more than 4.

Number / Length of Electrode

TAG.No	NBR	n = POLE	Shor test ← → Longest						
			L 1	L 2	L 3	L 4	L 5	L 6	L 7

Line of business

- Rotary Paddle Type Level Switch
- Vibration Type Level Switch
- Swing Type Level Switch
- Acoustic Level Switch
- Capacitance Type Level Switch
- Capacitive Proximity Sensor
- Capacitance Type Level Indicator
- Diaphragm Type Level Switch
- Tilt Switch
- Leak Type Level Switch
- Microwave Switch
- Sounding Bob Type Level Indicator
- Flow Switch
- Conductance Type Level Switch
- Float Switch
- Float Type Level Indicator
- Ultrasonic Type Level Indicator
- Equipments For Conveyor Lines
- Dust Monitor System
- Zirconia Oxygen Analyzer
- Laser Type Level Indicator
- RADAR Type Level Indicator
- Ultrasonic Flow meter

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*Please be sure to read USER'S GUIDE, Installation & Operation Instructions before using the instrument.

*The specifications herein may be subject to change without advance notice.

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