

GSS/PSS/ASS Series

**Exchangeable tip type
Industrial pH/ORP electrode
(detector)**

Easy maintenance! Save on running costs



The exchangeable electrode tip improves maintenance efficiency.



Easy maintenance

This electrode tip can be exchanged, thus eliminating the need to remove the electrode leads from the converter.

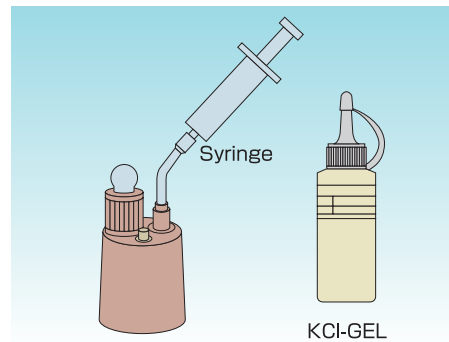
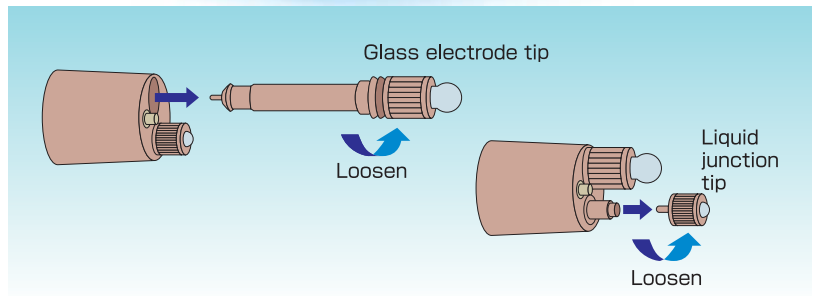
For KCl non-refilling type detectors, there is no need to replenish inner solution for a long period.

Save on running costs

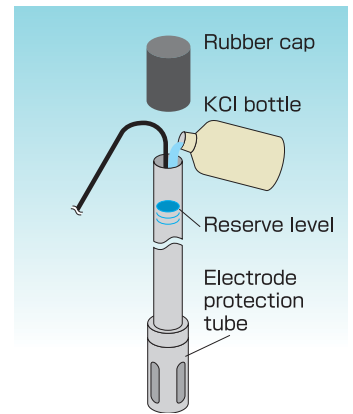
Various types of electrode tips and liquid junction tips can be exchanged individually.

Robust structure

The electrode body is made from polyphenylene sulfide resin (Ryton), which provides excellent heat resistance, chemical resistance, and pressure resistance.



Solution gels can be replaced in the KCl non-refilling type detector, enabling the electrode to be used longer.



The HC-G70 immersion-type holder can contain a large volume of KCl solution.

Exchangeable tip type electrode

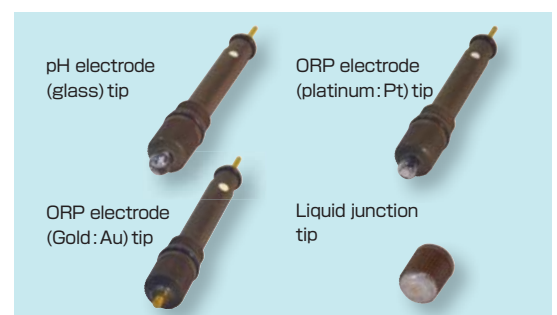
Type		Usage		Model	Sample water conditions						
					Measurement range	Temperature*	Pressure	Electrical conductivity			
pH	KCl non-refilling type	Waste water treatment	For general use	GSS-304B	0 to 14pH	-5 to 80°C	0 to 0.5MPa	Not less than 1000μS/cm			
			For strong alkali	GSS-304A							
			For hydrofluoric acid resistance	GSS-304F							
	KCl refilling type	Process	For general use	GSS-314B	0 to 14pH	-5 to 100°C	0 to 0.2MPa	Not less than 100μS/cm			
For strong alkali			GSS-314A								
For hydrofluoric acid resistance			GSS-314F								
ORP	KCl non-refilling type	For general use (Pt)		PSS-304B	±2000mV	-5 to 80°C	0 to 0.5MPa	Not less than 1000μS/cm			
			For sewage/human waste (Au)						ASS-304B		
	KCl refilling type	For general use (Pt)		PSS-314B					-5 to 100°C	0 to 0.2MPa	Not less than 100μS/cm
			For sewage/human waste (Au)								

*No freezing

Spares

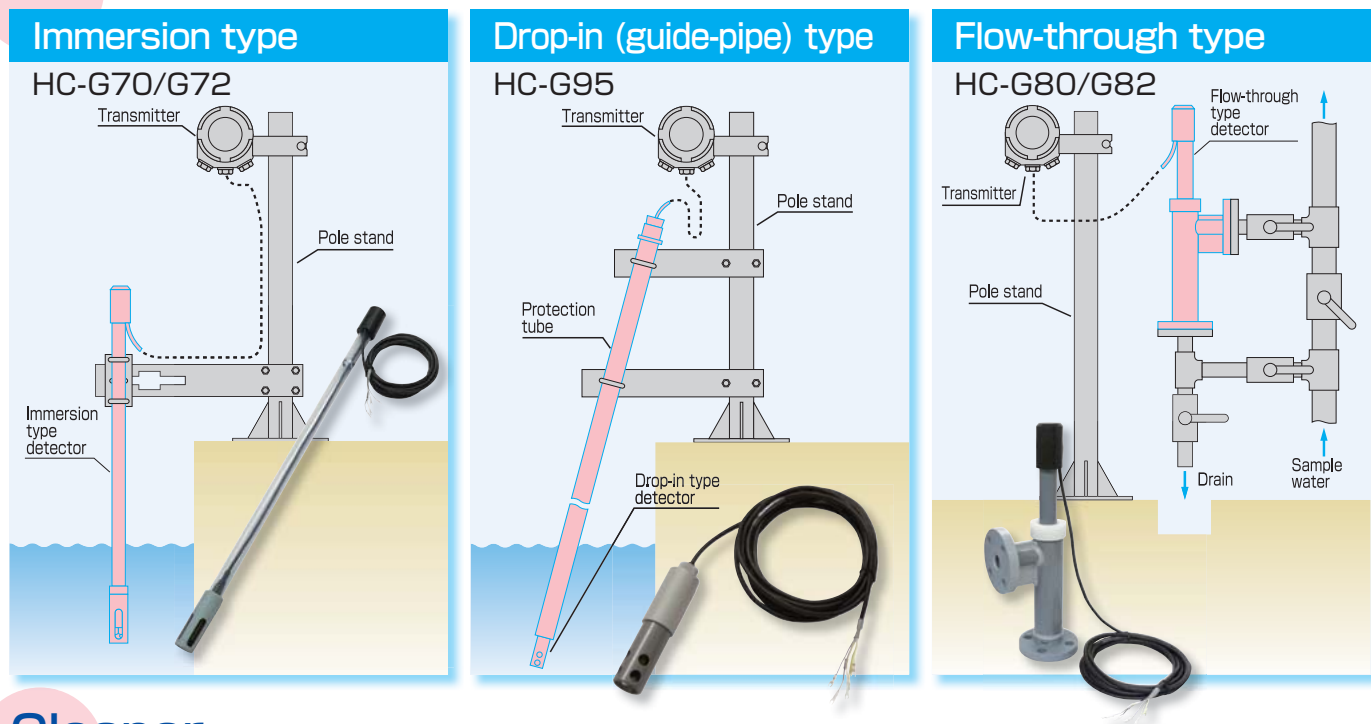
Product Name	Usage	Model
pH electrode (glass) tip	For general use	HGS-300
	For strong alkali	HGS-300A
	For hydrofluoric acid resistance	HGS-300F
ORP electrode (Pt) tip	For general use	HP-300
ORP electrode (Au) tip	For sewage/ human waste	HA-300
Liquid junction tip	For general use	JC-300
	For low electrical conductivity	JC-300K*1
3.3 mol KCl 500 mL	KCl refilling type	143F234
Saturated KCl gel 100mL	KCl non-refilling type	KCL-GEL

*1 KCl non-refilling type not applicable

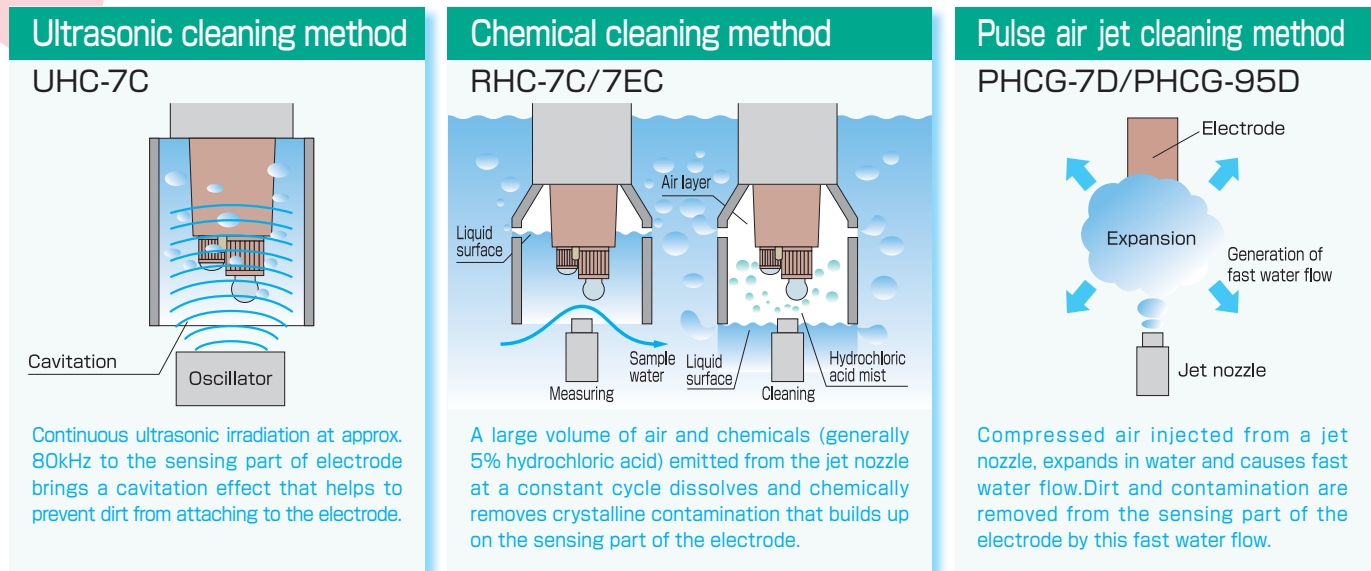


Various electrode holders and cleaners are available for wide range of applications

Electrode holder



Cleaner



Electrode holder and cleaner

Type	Model	Materials	Remarks
Immersion-type holder (resin)	HC-G70	Transparent PVC, or PP	Length : 3 m max.
Immersion-type holder (stainless-steel)	HC-G72	SUS316	Length : 3 m max. ; KCl non-refilling type only
Drop-in (guide-pipe) type detector	HC-G95	PVC, SUS304	For deep structures of 2 m or more; KCl non-refilling type only
Flow-through type holder (resin)	HC-G80	PVC	KCl non-refilling type only
Flow-through type holder (stainless-steel)	HC-G82	SUS316	KCl non-refilling type only
Immersion-type holder with ultrasonic cleaning	UHC-7C	PVC, SUS316	Length : 3 m max.
Immersion-type holder with chemical cleaning	RHC-7C	PVC, SUS316	Length : 3 m max.
Immersion-type holder with chemical cleaning (HBM type)	RHC-7EC	PVC, SUS316	Length : 3 m max.
Immersion-type holder with pulse air jet cleaning	PHCG-7D	PVC, SUS316	Length : 3 m max.
Drop-in type detector with pulse air jet cleaning	PHCG-95D	PVC, SUS304/316	For deep structures of 2 m or more; KCl non-refilling type only

* For detailed specifications, see the individual specification sheets.

Selection for combination of pH/ORP transmitter

Field installation type

Simple function, easy operation

HDM-135A(pH) / 137A(ORP)

Two wire, 24V DC

HDM-136A(pH) / 138A(ORP)

Four wire, 100V to 120V AC or 200V to 240V AC

- Compact, robust aluminum case
- Adjustable transmission output range (4 to 20 mA DC)
- One touch automatic calibration

Highly expandable intelligent type

HBM-160(pH) / 162(ORP)

Four wire, 100V to 240V AC

- Transmission output from two circuits of pH/ORP and water temperature
- Output from contacts for upper and lower limits
- Cleaner control output (optional)
- Digital output RS-232C (optional)



Panel installation type

Compact DIN96 size

HBM-100A(pH) / 102A(ORP)

100V to 240V AC

- Adjustable transmission output range (4 to 20 mA DC)
- Upper and lower limit adjusting contacts (four points available)
- Cleaner control output (optional)
- Digital output RS-232C (optional)



DKK-TOA CORPORATION

CAUTION

Do not operate products before consulting instruction manual.

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Information and specifications are for a typical system and are subject to change without notice.

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