



ISO 14001



ISO 9001



# GENERAL GUIDANCE

- Flow Meter
- Level Transmitter
- Level Switch
- Level Gauge

[www.hitrol.com](http://www.hitrol.com)



Always The Best Solution

HITROL CO., LTD.

*Always The Best Solution*

# HITROL

Since 1975, **Hitrol** has grown up to be a comprehensive and specialized manufacturer in the field of instrumentation and control, whose products quality is guaranteed by Korean government.

**Hitrol** makes a commitment to do our best to achieve the following targets.

## First

**Hitrol** will do our best to supply the measuring and control instruments with high precision to our customers on time.

## Second

**Hitrol** will do our best to promote the export to be a global company in the world.

## Third

**Hitrol** will do our best to be a first class company in the world who manufactures the highest precision instruments comparing with any other products through the continuous R&D activities.





Dear our valuable clients,

**HITROL** would like to thank our entire customers who have given us the continued patronage during last four decades. Hitrol has grown up as a dedicated firm specializing in the field of instrumentation during last four decades and is making a greater effort to supply with high precision and reliable products to our customers through the continuous R&D activities and quality assurance with our accumulated know-how. And also, Hitrol is paying more attention to promote the export to make a step forward for globalization.

**HITROL** has a subsidiary company, FCC (Flow Calibration Center) who has a large liquid flow standard system in accordance with international standard (ISO 17025), which is used for calibration and test of instruments produced by Hitrol. Now, as FCC was designated as an International Calibration and Testing Laboratory, Hitrol is providing high precision instruments to our customers in domestic and overseas market in accordance with international standard.

**HITROL** makes a commitment that we will do our best for continuous R&D activities to lead world market in the field of instrumentation and control. Lastly, the management and all of our staff in Hitrol will do our best to serve you and hope your lasting encouragement and warm cooperation as well.

Sincerely yours,

A stylized, handwritten signature in black ink, appearing to be 'JH' or similar initials, written with a fluid, cursive style.

Jong-Ho, Kim / President

- May 1975** Hanil Instrumentation Manufacturer was established.
- Apr. 1976** Developed level measuring instruments for water supply, sewage treatment facility and shipyard.
- Sep. 1979** Built and moved headquarter and factory to Bucheon City in Gyeonggi Province.
- Feb. 1980** Changed the company name to Hanil Level Inc.
- Feb. 1982** Developed and start the production of level measuring instruments with d2 G4 high pressure and explosion proof.
- Apr. 1983** Certified from KR in Korea, LRS in Great Britain and ABS in USA, and designated as an exclusive Shipbuilding equipment manufacturer.
- Apr. 1984** Registered as a company for shipbuilding.
- Jan. 1986** Introduced a new technology in the field of level and flow measurements into Korea through the technical collaboration and joint venture agreement with Endress-Hauser in Germany.
- Apr. 1987** Win the presidential Award for the best domestic development.
- Feb. 1988** Developed safe and explosion protected instrument and start the manufacturing of the products related to ship, approved for shipbuilding equipment from Korea Shipbuilding Association.
- Aug. 1989** Established Research Institute at Paju City in Gyeonggi Province and it was designated as an International Calibration Laboratory for liquid flow rate measurement with a liquid flow standard system.
- Sep. 1990** Developed and launched flow meters.  
Designated as an instrumentation and control equipment manufacturer for hydroelectric and thermal power plants from Korea Electric Power Corporation (KEPCO).
- Oct. 1991** Developed intrinsically safe and explosion proof type level measuring instruments.
- Dec. 1992** Built a new factory in Paju City, Gyeonggi Province and start the production of flow meters.
- Jul. 1993** Designated as a manufacturer of equipment for Nuclear Power Plant from KEPCO.
- May 1994** Designated as an International Calibration Laboratory for large liquid flow rate measurement with approved standard system.  
Initiate the business for power plant and water supply and sewage treatment facility.  
Win the Yang-back technology gold medal sponsored by Korea Herald domestic and foreign economic newspaper.
- Nov. 1995** Changed the company name to Hitrol Co., Ltd. for a comprehensive instrumentation manufacturer and sales company aiming at globalization.  
Awarded gold medal from 9th precision measurement promotion meeting and selected as a superior enterprise (Liquid flow).
- Mar. 1996** Acquired NT Mark for differential pressure flow meter by Director General of Agency for Technology and standards.  
Acquired EM Mark for differential pressure flow meter by Director General of Agency for Technology and standards.  
Developed a flow restriction element ("Q" Class KEPCO project) and applied it to generation stations of KEPCO.  
Supplied it to the Ulchin Nuclear Power Plant (1996. 12. "Q" Class).
- Sep. 1997** Selected as one of the excellent 100 enterprises for Quality Competitive Power by Director General of Agency for Technology and standards.  
Acquired ISO 9001(KSA-QA) Certificate for Quality Assurance System by Korean Standards Association.
- Dec. 1997** Acquired EM Mark for Capacitance Level Instrument by Director General of Agency for Technology and standards.
- May 1998** Agreement on joint venture with E+H in Germany was terminated.
- Oct. 1998** Developed a vibration type level switch for high temperature application (governmental project).
- Dec. 1998** Developed a flow meter and velocity instrument with low pressure loss (governmental project).
- Oct. 1999** Capacitance type level instrument was designated as an excellent world class capital product.  
Received a Ministry Award from the government.
- Dec. 1999** Registered as a vendor for thermal dispersion type instruments to KEPCO (safety class, nuclear power generating stations).  
Dec. 30, 99 Acquired the qualification certificate for KEPIC Code (Averaging Pitot Tube, Flow Restriction Orifice, Venturi Tube and pipe components connecting with instruments)
- Mar. 2000** Made an agreement for the manufacturing technology of measuring instruments with HITACHI-NAKA Electronics Company in Japan.



- May 2000 Registered as a venture business from the government (Gyeonggi-Do Small and Medium Business Agency (No. 2000162461-1679).
- Sep. 2000 Acquired NT Mark for Thermal Gas Flow Meter using for the Nuclear Power Plant by Ministry of Industrial Resources.
- Nov. 2000 Awarded gold medal for division of weighing & measurement by Ministry of Industrial Resources (30th The Precision Technology Development).
- Feb. 2001 Acquired "CE" Mark for RF Admittance Type Level Switch (HCC-96RF-R / HLC-96RF-R) by Rwiuv.
- Apr. 2001 Win the presidential award for New Technology of Thermal Mass Flow Meter.
- Sep. 2002 Accredited as an International Calibration Laboratory in accordance with International Standard, ISO/IEC 17025
- May 2003 Acquired the patent for "Wedge Flow Sensor" by Ministry of Patent (No. 0394345)
- Jul. 2004 Won a contract on the supply of the Thermal Dispersion Type Instruments with Nuclear Safety Class to the Shin-Kori, Shin-Wolsung Nuclear Power Plant Unit 1&2 by Korea, Electric Power Company.  
Won a contract on the supply of the Venturi Tube, Flow Nozzle and Averaging Pitot Tube to the Lungmen Nuclear Plant Unit 1&2 by Taiwan Power Company.
- Apr. 2005 Supplied 46 sets of flow instruments such as Wedge Meter and Venturi Tube to the Jilin Petrochemical Company in Jilin Province of China.
- Apr. 2006 Supplied the flow Instruments such as Venturi Tube and Flow Nozzle for the Maoming Ethylene Project in China.
- May 2006 Supplied the flow Instruments such as Venturi Cone to U.S.A for Oil & Gas applications.
- Mar. 2007 Acquired "PED Certificate" for Pressure Boundary Instrument of Cone Meter (Flow Instrument) by Lloyd.
- Sep. 2007 Supplied the Venturi Tube and Flow Nozzle to the Dushanzi Petrochemical in China.
- Nov. 2007 Supplied the Cone Meter for Tombua-Landana Project for oil & gas application in Angola.
- Jun. 2008 Supplied 350 pcs of Cone Meter for steam application in Oman, Drilling in Canada.
- Sep. 2008 Awarded the Industry Medal from the Government.
- Jan. 2009 Developed and commercialized "Level Transmitter for LNG Tank, -200°C" in cooperation with the Korea Gas Corporation.
- Aug. 2009 Acquired the patent for DP Hicone by Ministry of Patent (No. 10-2009-0005979/5983)
- May 2010 Audited by Mitsubishi Heavy Industries in Japan and registered as a supplying vendor.
- Jun. 2010 Registered as a supplying vendor for UAE Nuclear Power Plant.
- Jul. 2010 Supplied a 36" Cone Meter to the Statoil in Norway.
- Aug. 2010 Supplied Cone Meters for the BP Angola FPSO Project.
- Oct. 2010 Acquired the ISO 14001 certificate from KSA-QA.
- Feb. 2011 Supplied the "Q" Class Ultrasonic Level Transmitters to Shin-Kori Unit 3&4 Nuclear Power Plants.
- Mar. 2011 Supplied 15 pcs of High Pressure Cone Meters for Petrobras Brazil FPSO Project. (Hydrostatic Pressure test at 1050kgf/cm<sup>2</sup> for 2 hours).  
Supplied the Venturi Tube and Orifice to Mitsubishi Heavy Industries for Turk Menhimiya Project.
- Jul. 2011 Won a contract on the supply of Averaging Pitot Tube (J224A) to the Nuclear Power Plant in UAE.  
Won a contract for the Power Plants, SEP11- 34 &35 in Iraq from STX Heavy Industries.
- Dec. 2011 Won a contract on the supply of Conical Orifice, etc. for the Nuclear Power Plant in UAE.
- Feb. 2012 Acquired the certificate of good performance for the Ultrasonic Level Transmitter applying to the Nuclear Power Plant from Small and Medium Business Administration. HUT-2000N (Q/T/S) HUL-2100N (Q/T/S)
- Feb. 2013 Won a contract on the supply of level instruments for Dangjin Coal-Fired Power Complex, Unit 9 & 10.
- Aug. 2013 Microwave Radar Level Transmitter was registered as a designated development product by 5 power companies in Korea.
- Apr. 2014 Supplied level switches to Samsung Engineering for 2485 InterGen SLP CCGT Power Plant Project.
- May 2014 Supplied Wedge flow meter to GS Construction for UGCC Project in Uzbekistan.
- Jul. 2014 Acquired the Australia Patent for "Cone Type Venturi Integrated Valve Device" (Patent No. 10-2009-0005979)
- Jan. 2015 Acquired the Canadian Patent for "Cone Type Venturi Integrated Valve Device" (Patent No. 2,763,333)
- May 2015 Acquired the Australia Patent for " Wafer-Type Venturi Cone Meter " (Patent No. 10-2010-0099306)
- Jul. 2016 Supplied Cone Meter to Petrobras for P-74, 75, 76 and 77.





# Flow Calibration Center ISO/IEC 17025

## Liquid Flow Standard System

Hitrol has recognized that a liquid flow standard system is the most important and it is required to produce the highest quality flow meter. So, we built the flow calibration center in our company in 1990. We have established the subsidiary company of FCC (Flow Calibration Center) in 2007 and it was designated as an International Calibration and Testing Laboratory, and have been performed the calibration of flow meters that are used for industries and other organizations.

All of flow meters produced and supplied by Hitrol are calibrated and tested with the flow standard system equipment and we can confidently guarantee the quality of our products.

## Item of Calibration

Differential pressure flow meter | Area flow meter | Volume flow meter | Mass flow meter  
Electromagnetic flow meter | Vortex flow meter | Turbine flow meter | Ultrasonic flow meter

### Indoor - Liquid Flow Standard System up to 12" Pipe

- Liquid storage bath : 60m<sup>3</sup>
- Flow generator
- Diameter of test section : 15mm - 300mm
- Straight pipe part
- Volumetric flow rate control system
- Flow rate measurement system
- Data processing & analyzing system

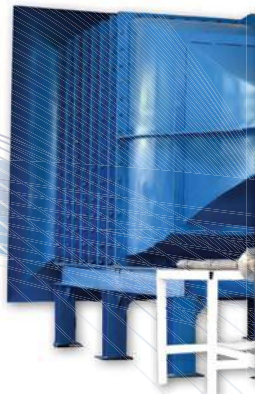
Maximum flow rate and system uncertainty are :  
Within 500m<sup>3</sup>/h : Within 0.2%



### Outdoor - Liquid Flow Standard System up to 42" Pipe

- Liquid storage bath : 150m<sup>3</sup>
- Flow generator
- Diameter of test section : 350mm - 1050mm
- Straight pipe part
- Volumetric flow rate control system
- Flow rate measurement system
- Data processing & analyzing system

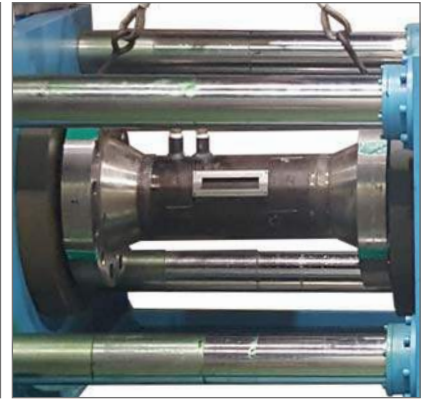
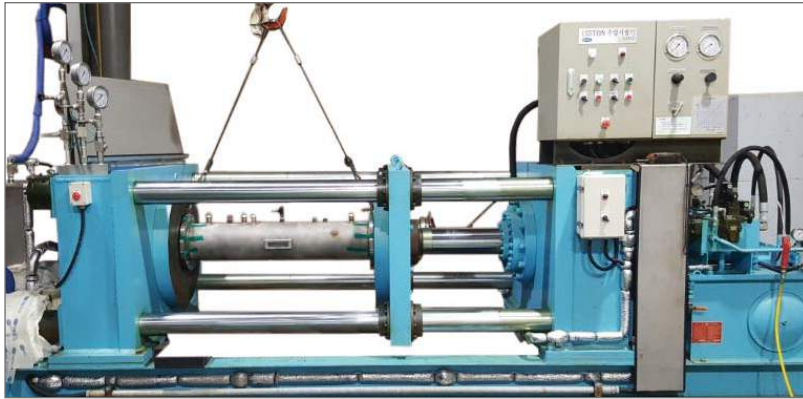
Maximum flow rate and system uncertainty are :  
Within 5,000m<sup>3</sup>/h : Within 1.0%





## Hydrostatic Test Equipment

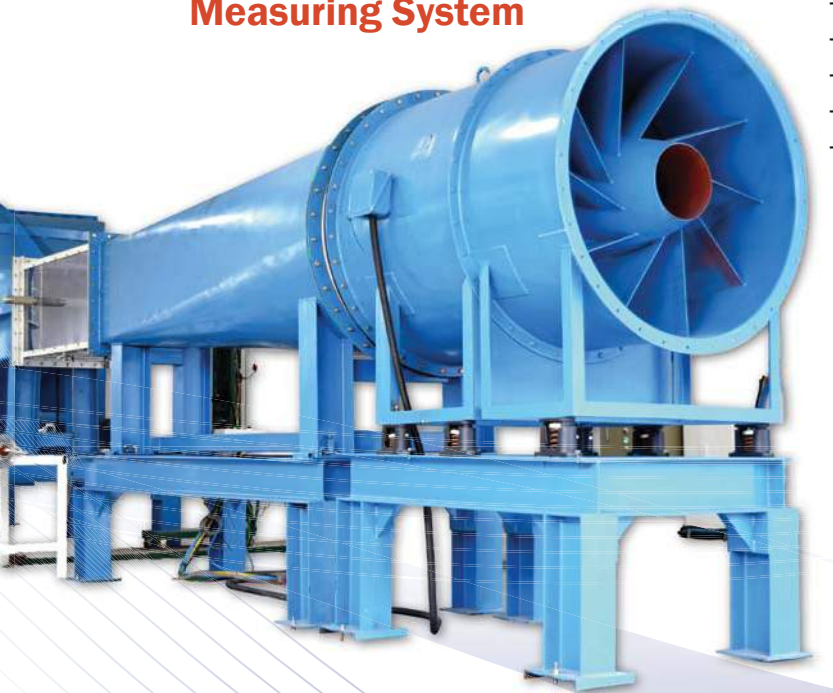
Hitrol has hydrostatic test equipment which carries out the hydrostatic test for flow meters. Before the calibration test, hydrostatic test for all flow meters shall be performed in accordance with ASME B 31.1 / B 31.3. This test is to prove the quality and satisfaction on welding parts of flow elements.



## Equipment Specification

- Test Size : Max. 700mm | Max. 500mm
- Test Pressure : Max. 250kg/cm<sup>2</sup> | Max. 400kg/cm<sup>2</sup>
- Test Temperature : AMB

## Wind Tunnel Type Air Flow Measuring System



## Equipment Specification

- Measuring Range : 2~30m/sec
- Type : Suction
- Wind Tunnel Size : 2.7m(W)×2.7m(W)×10.3m(L)
- Test Section : 0.6m(W)×0.6m(H)×1.4m(L)
- Contraction Rate : 9 : 1



## Radiographic (X-ray) Testing Room





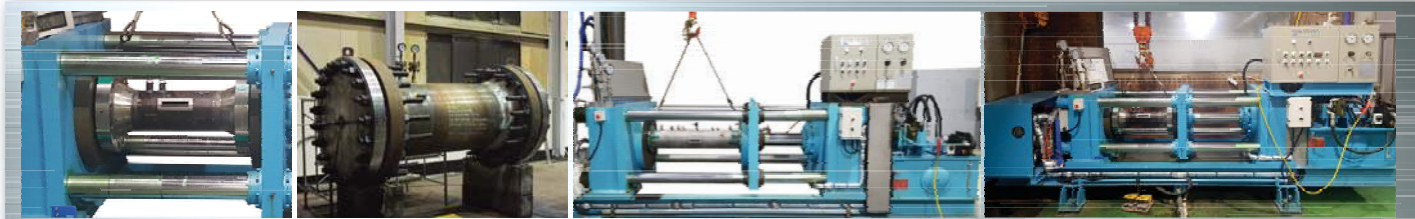


## Manufacturing Flow Chart

### • Manufacturing Process



### • Hydrostatic Test



### • Shop Performance Test



### • Shipment



### • Field Installation







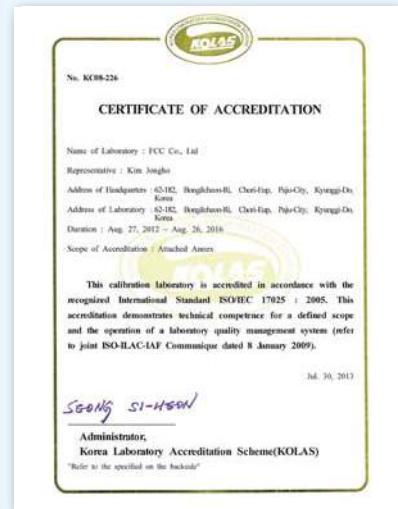
ISO9001 | ISO14001 | ISO17025 | KEPIC | PED | CRN | CE | PATENT



ISO9001



ISO14001



ISO17025



KEPIC MN



KEPIC EN



PED








CRN



CE



PATENT

TYPE	DIFFERENTIAL PRESSURE				
	DP HiCone METER	FLOW NOZZLE	VENTURI TUBE	AVER. PITOT TUBE (HITBAR)	WEDGE METER
IMAGE					
MODEL	HFV Series	HFN Series	HVT Series	HAPT Series	HWFM Series
SPECIFICATION	<ul style="list-style-type: none"> <li>· Mounting : Flange Screw Butt Weld Other as required</li> <li>· Size : 15 ~ 1,800mm</li> <li>· Material : Stainless Steel Duplex Hastelloy Other as required</li> <li>· Accuracy : <math>\pm 0.5\%</math> F.S</li> <li>· Repeatability : <math>\pm 0.1\%</math></li> <li>· Turndown Ratio : 10:1</li> <li>· Straight pipe section : 3D:1D</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange Butt Weld</li> <li>· Size : 50 ~ 600mm</li> <li>· Material : Stainless Steel Duplex Hastelloy Other as required</li> <li>· Accuracy : <math>\pm 0.5\%</math> F.S</li> <li>· Repeatability : <math>\pm 0.1\%</math></li> <li>· Turndown Ratio : 4:1</li> <li>· Straight pipe section : As per ISO 5167 or ASME</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange Butt Weld</li> <li>· Size : 50 ~ 1,800mm</li> <li>· Material : Stainless Steel Duplex Hastelloy Other as required</li> <li>· Accuracy : <math>\pm 0.5\%</math> F.S</li> <li>· Repeatability : <math>\pm 0.1\%</math></li> <li>· Turndown Ratio : 4:1</li> <li>· Straight pipe section : As per ISO 5167 or ASME</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange Screw</li> <li>· Size : 50 ~ 1,800mm</li> <li>· Material : Stainless Steel Duplex Hastelloy Other as required</li> <li>· Accuracy : <math>\pm 1\%</math> F.S</li> <li>· Repeatability : <math>\pm 0.1\%</math></li> <li>· Turndown Ratio : 4:1</li> <li>· Straight pipe section : 7D:3D</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange</li> <li>· Size : 50 ~ 1,800mm</li> <li>· Material : Stainless Steel Duplex Hastelloy Other as required</li> <li>· Accuracy : <math>\pm 1\%</math> F.S</li> <li>· Repeatability : <math>\pm 0.1\%</math></li> <li>· Turndown Ratio : 4:1</li> <li>· Straight pipe section : 10D:5D</li> </ul>
FEATURES	<ul style="list-style-type: none"> <li>· Short upstream and downstream straight pipe section</li> <li>· Wide flow rate measurement range</li> <li>· Excellent repeatability and high accuracy</li> <li>· Better signal stability</li> <li>· High reliability as it has no moving parts</li> <li>· PED certificated (ASME B31.3 &amp; B31.1)</li> <li>· API 22.2 testing</li> </ul>	<ul style="list-style-type: none"> <li>· Applicable to most of fluid</li> <li>· High pressure, temperature and velocity application</li> <li>· Low abrasion comparing with Orifice</li> <li>· High durability</li> <li>· Excellent repeatability and high accuracy</li> <li>· High reliability as it has no moving parts</li> </ul>	<ul style="list-style-type: none"> <li>· Low pressure loss</li> <li>· Applicable to most of fluid</li> <li>· Simple structure</li> <li>· Applicable to measure for high flow rate</li> <li>· High durability</li> <li>· Excellent repeatability and high accuracy</li> <li>· High reliability as it has no moving parts</li> </ul>	<ul style="list-style-type: none"> <li>· Low pressure loss</li> <li>· Simple structure</li> <li>· High reliability as it has no moving parts</li> <li>· Easy installation and maintenance</li> </ul>	<ul style="list-style-type: none"> <li>· High viscosity material and slurry application</li> <li>· High reliability as it has no moving parts</li> </ul>
APPLICATION	<ul style="list-style-type: none"> <li>· Liquid</li> <li>· Oil &amp; Gas</li> <li>· Air</li> </ul>	<ul style="list-style-type: none"> <li>· Liquid</li> <li>· Gas</li> <li>· Steam</li> </ul>	<ul style="list-style-type: none"> <li>· Liquid</li> <li>· Gas</li> <li>· Steam</li> </ul>	<ul style="list-style-type: none"> <li>· Liquid</li> <li>· Gas</li> <li>· Air</li> </ul>	<ul style="list-style-type: none"> <li>· Liquid</li> <li>· Waste Water</li> <li>· Slurry</li> <li>· Heavy Oil</li> </ul>






DIFFERENTIAL PRESSURE	THERMAL MASS FLOW METER	ROTA METER & TRANSMITTER	TURBINE FLOW METER	TYPE
MEASURING / RESTRICTION ORIFICE				IMAGE
				
HOP, HOF, HRO Series	HTMF Series	HFR-981	HFT-7000	MODEL
<ul style="list-style-type: none"> <li>Size : 15 ~ 1,800mm</li> <li>Material : Stainless Steel Duplex Hastelloy Monel Other as required</li> <li>Accuracy : <math>\pm 2\%</math> F.S</li> <li>Repeatability : <math>\pm 0.1\%</math></li> <li>Turndown Ratio : 4:1</li> <li>Straight pipe section : As per ISO 5167 or ASME</li> </ul>	<ul style="list-style-type: none"> <li>Measuring Range : 0.1 to 100,000 SCFM</li> <li>Input Power : AC 110 ~ 130V 50 ~ 60Hz</li> <li>Cable Length : Max. 120M</li> <li>Operating Press. : 10kgf/cm<sup>2</sup></li> <li>Operating Temp. : - Element (-5 ~ 150°C) - Transmitter (0 ~ 60°C)</li> <li>Accuracy : <math>\pm 1\%</math> F.S</li> <li>Repeatability : <math>\pm 0.5\%</math></li> <li>Response Time: Max. 1.0sec</li> </ul>	<ul style="list-style-type: none"> <li>Mounting : Flange</li> <li>Size : 15 ~ 250mm</li> <li>Material : Stainless Steel</li> <li>Power Source : DC 24V</li> <li>Output Signal : DC 4 ~ 20mA</li> <li>Accuracy : <math>\pm 2\%</math> F.S</li> </ul>	<ul style="list-style-type: none"> <li>Mounting : Flange Screw</li> <li>Size : 15 ~ 200mm</li> <li>Material : Stainless Steel</li> <li>Power Source : DC 24V or AC 110 ~ 220V</li> <li>Output Signal : DC 4 ~ 20mA</li> <li>Accuracy : <math>\pm 0.5\%</math> F.S</li> </ul>	SPECIFICATION
<ul style="list-style-type: none"> <li>Low price</li> <li>Applicable to most of fluid</li> <li>Simple structure</li> <li>Conical type is to reduce the cavitation on the pipe line</li> </ul>	<ul style="list-style-type: none"> <li>Direct measurement of mass flow rate</li> <li>Applicable to measure for low flow rate.</li> <li>Fast response time</li> <li>1 to 8 points depending on the application</li> <li>Built-in Microprocessor</li> <li>It is designed for Nuclear Power Plant application</li> </ul>	<ul style="list-style-type: none"> <li>Strong structure</li> <li>Easy handling</li> <li>Straight pipe run at upstream is not required</li> <li>High durability</li> <li>Local indication</li> </ul>	<ul style="list-style-type: none"> <li>Measurement of high flow rate with small size</li> <li>Wide application for low viscosity liquids</li> <li>Easy handling</li> <li>Excellent repeatability and high accuracy</li> <li>Local indication</li> </ul>	FEATURES
<ul style="list-style-type: none"> <li>Liquid</li> <li>Gas</li> <li>Steam</li> </ul>	<ul style="list-style-type: none"> <li>Air</li> <li>N<sub>2</sub></li> <li>CO<sub>2</sub></li> <li>Methane</li> <li>O<sub>2</sub></li> </ul>	<ul style="list-style-type: none"> <li>Liquid</li> <li>Gas</li> <li>Air</li> </ul>	<ul style="list-style-type: none"> <li>Liquid</li> </ul>	APPLICATION

TYPE	RADAR	ULTRASONIC		
IMAGE				
MODEL	HW Series	HS Series	HUT-2000S HUL-2100S (2200S, 2300S)	HUT-2000N/T/S HUL-2100N/T/S (2200S)
SPECIFICATION	<ul style="list-style-type: none"> <li>Mounting : Screw</li> <li>Measuring Range : 0.2~23M</li> <li>Resolution : 1mm</li> <li>Power Source : DC 24V</li> <li>Output Signal : DC 4 ~ 20mA + Hart</li> <li>Operating Temp.: 100°C 180°C (Opt.)</li> <li>Operating Press.: 3bar 25bar (Opt.)</li> <li>Beam Angle : 6°</li> <li>Enclosure : Weather Proof (IP67)</li> </ul>	<ul style="list-style-type: none"> <li>Type : Compact</li> <li>Mounting : Flange Screw</li> <li>Measuring Range : 0.2~25M</li> <li>Beam Angle : 5~7°</li> <li>Resolution : 1~10mm (depend on Measuring Range)</li> <li>Output Signal : DC 4~20mA + Hart</li> <li>Power Source : DC 24V / AC 85~255V</li> <li>Enclosure : Weather Proof (IP67)</li> </ul>	<ul style="list-style-type: none"> <li>Type : Remote</li> <li>Channel : 1ch or 2ch</li> <li>Mounting : Flange Thread (Sensor) Wall (Transmitter)</li> <li>Measuring Range : 8M, 15M, 30M</li> <li>Beam Angle : 7°</li> <li>Resolution : 1mm</li> <li>Output Signal : DC 4~20mA, RS 232 RS 485, Relay</li> <li>Power Source : AC 90 ~ 240V</li> <li>Enclosure : Weather Proof (IP65)</li> </ul>	<ul style="list-style-type: none"> <li>Type : Remote</li> <li>Mounting : Flange Thread (Sensor) Wall (Transmitter)</li> <li>Measuring Range : 8M, 15M</li> <li>Beam Angle : 5°</li> <li>Resolution : 1mm</li> <li>Output Signal : DC 4~20mA, RS 232 Relay</li> <li>Power Source : AC 90 ~ 240V</li> <li>Enclosure : Weather Proof (IP65 / NEMA 4)</li> </ul>
FEATURES	<ul style="list-style-type: none"> <li>25GHz Frequency</li> <li>Easy installation due to small antenna</li> <li>High temperature and pressure tank application</li> <li>Plug-in graphical display module</li> <li>Ex-Proof version</li> </ul>	<ul style="list-style-type: none"> <li>Compact Type (2/4-wire)</li> <li>Plug-in Display</li> <li>5° beam Angle</li> <li>Full temperature compensation</li> <li>Ex-Proof version</li> </ul>	<ul style="list-style-type: none"> <li>Remote Type</li> <li>Cost effective dual channel system for :               <ul style="list-style-type: none"> <li>two independent measuring task</li> <li>rake control (differential level)</li> <li>two sensors in one silo (average computing)</li> </ul> </li> <li>Real data sampling (Spectrum Analyzing)</li> <li>Threshold &amp; Start Point (Variable Function)</li> <li>TTF (Time Thickness Filter)</li> </ul>	<ul style="list-style-type: none"> <li>Designed for nuclear power plant</li> <li>Stainless steel housing</li> <li>Environmental Qualification for nuclear power plant</li> <li>Testing EMI &amp; RFI</li> <li>Real data sampling (Spectrum Analyzing)</li> <li>Threshold &amp; Start Point (Variable Function)</li> <li>TTF (Time Thickness Filter)</li> <li>Class-1E, Non Class-1E</li> </ul>
APPLICATION	<ul style="list-style-type: none"> <li>Thermal / Hydro Power Plant</li> <li>Oil / Petrochemical Plant</li> <li>Water / Sewage Treatment</li> <li>Steel / Refinery</li> <li>River / Dam</li> <li>Pharmaceutical</li> <li>Food and beverage</li> </ul>	<ul style="list-style-type: none"> <li>Thermal / Hydro Power Plant</li> <li>Oil / Petrochemical Plant</li> <li>Water / Sewage Treatment</li> <li>Steel / Refinery</li> <li>River / Dam</li> <li>Open channel Flow Metering</li> </ul>	<ul style="list-style-type: none"> <li>Thermal / Hydro Power Plant</li> <li>Oil / Petrochemical Plant</li> <li>Water / Sewage Treatment</li> <li>Steel / Refinery</li> <li>River / Dam</li> </ul>	<ul style="list-style-type: none"> <li>Nuclear Power Plant</li> </ul>

CAPACITANCE	MAGNETIC FLOAT	SPRING BALANCE	HYDRO-STATIC PRESSURE	TYPE
				IMAGE
HT-100CT Series	HT-100R Series	HT-100F Series	HT-100P Series	MODEL
<ul style="list-style-type: none"> <li>· Mounting : Flange Screw</li> <li>· Power Source : DC 24V</li> <li>· Output Signal : DC 4~20mA</li> <li>· Enclosure : Weather Proof Ex-Proof</li> <li>· Conduit Connection : PF 3/4"(F)</li> <li>· Working Pressure : Std. 10kgf/cm<sup>2</sup></li> <li>· Process Temperature : Std. 80°C Max. 150°C</li> <li>· Ambient Temperature : -20 ~ +60°C</li> <li>· Wetted Part Material : S.S / Teflon</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange</li> <li>· Power Source : DC 24V</li> <li>· Output Signal : DC 4~20mA</li> <li>· Enclosure : Weather Proof Ex-Proof</li> <li>· Conduit Connection : PF 3/4"(F)</li> <li>· Working Pressure : Std. 10kgf/cm<sup>2</sup></li> <li>· Process Temperature : Std. 80°C Max. 150°C</li> <li>· Ambient Temperature : -20 ~ +60°C</li> <li>· Wetted Part Material : S.S</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange</li> <li>· Power Source : DC 24V</li> <li>· Output Signal : DC 4~20mA</li> <li>· Enclosure : Weather Proof</li> <li>· Conduit Connection : PF 1/2"(F)</li> <li>· Working Pressure : ATM</li> <li>· Process Temperature : Max. 80°C</li> <li>· Ambient Temperature : -20 ~ +60°C</li> <li>· Wetted Part Material : S.S</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange</li> <li>· Power Source : DC 24V</li> <li>· Output Signal : DC 4~20mA</li> <li>· Enclosure : Weather Proof</li> <li>· Conduit Connection : PF 3/4"(F)</li> <li>· Working Pressure : ATM</li> <li>· Process Temperature : Std. 80°C</li> <li>· Ambient Temperature : -20 ~ +60°C</li> <li>· Wetted Part Material : S.S</li> </ul>	SPECIFICATION
<ul style="list-style-type: none"> <li>· Strong for aggressive material</li> <li>· Applicable to low and high viscosity liquids</li> <li>· Applicable to the tank installed the agitator</li> <li>· Various probe types according to the application</li> <li>· Easy installation (wire type)</li> <li>· Applicable to corrosive material</li> <li>· Interface measurement between water and oil</li> </ul>	<ul style="list-style-type: none"> <li>· It is generally well-used to measure the level of liquid</li> <li>· Various materials of sensing part (Stainless Steel, PVC, Teflon)</li> <li>· Applicable to corrosive material (PVC, Teflon)</li> <li>· Local Indication (Model : HT-100RS-L)</li> </ul>	<ul style="list-style-type: none"> <li>· Easy installation</li> <li>· Local Indication (Model : HT-100FI)</li> <li>· Suitable for large open tank</li> </ul>	<ul style="list-style-type: none"> <li>· Easy installation</li> <li>· Easy maintenance</li> <li>· Unaffected by wave status on the surface</li> <li>· Flat diaphragm of stainless steel for high sensitivity</li> <li>· Side mounting on the tank is available (Model : HT-100PS)</li> <li>· Suitable for open tank</li> <li>· Applicable to waste water</li> </ul>	FEATURES
<ul style="list-style-type: none"> <li>· Chemical Plant</li> <li>· Waste Water Plant</li> </ul>	<ul style="list-style-type: none"> <li>· Waste Water Plant</li> <li>· Filling &amp; Discharging Storage Tank</li> <li>· Drinking Water Plant</li> <li>· Interface Measurement</li> <li>· Petrol Tank</li> </ul>	<ul style="list-style-type: none"> <li>· Waste Water Plant</li> <li>· Filling &amp; Discharging Storage Tank</li> <li>· Drinking Water Plant</li> <li>· Petrol Tank</li> <li>· Brewery Plant</li> </ul>	<ul style="list-style-type: none"> <li>· Waste Water Plant</li> <li>· Filling &amp; Discharging Storage Tank</li> <li>· Paper Industry</li> <li>· Drinking Water Plant</li> <li>· Food Industry</li> </ul>	APPLICATION









TYPE	FLOAT		MAGNETIC FLOAT	
IMAGE				
MODEL	HM-12(10) Series	HM-95(90S) Series	HR-30 Series	HR-50 Series
SPECIFICATION	<ul style="list-style-type: none"> <li>· Mounting : Flange</li> <li>· Contact Rating : AC 250V, 10A DC 125V, 0.5A</li> <li>· Enclosure : Weather Proof Ex-Proof</li> <li>· Conduit Connection : PF 3/4"(F)</li> <li>· Working Pressure : Std. 10kgf/cm<sup>2</sup></li> <li>· Process Temperature : Std. 120°C</li> <li>· Wetted Part Material : S.S</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange</li> <li>· Contact Rating : AC 250V, 15A DC 125V, 0.5A</li> <li>· Enclosure : Weather Proof Ex-Proof</li> <li>· Conduit Connection : PF 3/4"(F)</li> <li>· Working Pressure : Std. 10kgf/cm<sup>2</sup></li> <li>· Process Temperature : Std. 120°C</li> <li>· Wetted Part Material : S.S</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange Screw</li> <li>· Contact Rating : AC 250V, 1A DC 24V, 0.5A</li> <li>· Enclosure : Weather Proof Ex-Proof</li> <li>· Conduit Connection : PF 3/4"(F)</li> <li>· Working Pressure : Std. 10kgf/cm<sup>2</sup></li> <li>· Process Temperature : Std. 80°C</li> <li>· Wetted Part Material : S.S</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange</li> <li>· Contact Rating : AC 220V, 1A DC 24V, 0.5A</li> <li>· Enclosure : Weather Proof</li> <li>· Working Pressure : 0.5kgf/cm<sup>2</sup>(PVC) 10kgf/cm<sup>2</sup>(SS)</li> <li>· Process Temperature : Std. 60°C</li> <li>· Material : Chamber-SUS 304, 316 Float-PVC, Titanium Switch Housing - PVC Duralumin Terminal Box - ABS</li> <li>· Measuring Length : Max. 2,500mm</li> </ul>
FEATURES	<ul style="list-style-type: none"> <li>· Designed for side mounting</li> <li>· Various float size</li> <li>· Applicable to high temperature condition, 250°C (Model : HM-12H-SP)</li> <li>· Acquired the "CE" mark</li> </ul>	<ul style="list-style-type: none"> <li>· High temperature &amp; pressure application (Max. 500°C, 63kg/cm<sup>2</sup>)</li> <li>· Strong structure</li> <li>· It is well-used to control of water supply to boiler in nuclear or coal power plant</li> <li>· Acquired the "CE" mark</li> </ul>	<ul style="list-style-type: none"> <li>· It is generally well-used to measure the level of liquid</li> <li>· Various materials of sensing part (Stainless Steel, PVC, Teflon)</li> <li>· Applicable to corrosive material (PVC, Teflon)</li> </ul>	<ul style="list-style-type: none"> <li>· Applicable to various liquids</li> <li>· Strong structure</li> <li>· High reliability for level measurement</li> <li>· Adjustable setting points</li> </ul>
APPLICATION	<ul style="list-style-type: none"> <li>· Fuel oil tank process control for petrochemical plant</li> <li>· Water treatment plant</li> <li>· Liquid level control for generator</li> </ul>	<ul style="list-style-type: none"> <li>· Boiler feeding drum</li> <li>· Water Control</li> <li>· Fuel oil tank level alarm, process control for petrochemical plant</li> <li>· Nuclear Power Plant for process control</li> <li>· Sealing liquid level control for generator</li> </ul>	<ul style="list-style-type: none"> <li>· General liquids, Waste Water</li> <li>· Water treatment plant</li> <li>· Filling and discharging storage tank</li> <li>· Petrol Tank</li> <li>· Brewery Plant</li> <li>· Drinking Water Plant</li> <li>· Petrochemical Industry</li> </ul>	<ul style="list-style-type: none"> <li>· General liquids</li> <li>· Wastewater Treatment plant</li> <li>· Water treatment plant</li> </ul>

DISPLACER	CAPACITANCE		RADIO FREQUENCY ADMITTANCE	TYPE
				IMAGE
HM-90(30) Series	HCC-95P Series	HCC-609N Series	HCC-96RF Series	MODEL
<ul style="list-style-type: none"> <li>· Mounting : Flange</li> <li>· Contact Rating : AC 250V, 15A DC 125V, 0.5A</li> <li>· Enclosure : Weather Proof Ex-Proof</li> <li>· Conduit Connection : PF 3/4"(F)</li> <li>· Working Pressure : Std. 10kgf/cm<sup>2</sup></li> <li>· Process Temperature : Std. 120°C</li> <li>· Wetted Part Material : S.S</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange Screw</li> <li>· Power Source : AC 90~240V</li> <li>· Contact Form : DPDT</li> <li>· Contact Rating : AC 250V, 5A DC 28V, 5A</li> <li>· Enclosure : Weather Proof Ex-Proof</li> <li>· Conduit Connection : PF 3/4"(F)</li> <li>· Working Pressure : Std. 10kgf/cm<sup>2</sup></li> <li>· Process Temperature : Std. 80°C</li> <li>· Ambient Temperature : -20 ~ +60°C</li> <li>· Time Adjustable : 0.5 ~ 30 sec.</li> <li>· Fail Safe Mode : H &amp; L Selection</li> <li>· Material : S.S+Teflon</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange Screw</li> <li>· Power Source : AC 90~240V</li> <li>· Contact Form : DPDT</li> <li>· Contact Rating : AC 250V, 5A DC 28V, 5A</li> <li>· Enclosure : Weather Proof Ex-Proof</li> <li>· Conduit Connection : PF 3/4"(F)</li> <li>· Working Pressure : Std. 10kgf/cm<sup>2</sup></li> <li>· Process Temperature : Std. 80°C</li> <li>· Ambient Temperature : -20 ~ +60°C</li> <li>· Time Adjustable : 0.5 ~ 30 sec.</li> <li>· Fail Safe Mode : H &amp; L Selection</li> <li>· Material : S.S+Teflon</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange</li> <li>· Power Source : AC 110/220V, 60Hz</li> <li>· Contact Form : DPDT</li> <li>· Contact Rating : AC 250V, 5A DC 28V, 5A</li> <li>· Enclosure : Weather Proof Ex-Proof</li> <li>· Conduit Connection : PF 3/4"(F)</li> <li>· Working Pressure : Std. 10kgf/cm<sup>2</sup></li> <li>· Process Temperature : Std. 80°C, Max. 400°C</li> <li>· Ambient Temperature : -20 ~ +60°C</li> <li>· Fail Safe Mode : H &amp; L Selection</li> <li>· Material : S.S+Special</li> </ul>	SPECIFICATION
<ul style="list-style-type: none"> <li>· High temperature &amp; pressure application (Max. 500°C, 63kg/cm<sup>2</sup>)</li> <li>· Contact position is adjustable</li> <li>· H/L control function</li> <li>· Easy installation</li> <li>· It is well-used to control of water supply to boiler in nuclear or coal power plant</li> <li>· Acquired the "CE" mark</li> </ul>	<ul style="list-style-type: none"> <li>· Fail-safe level detection</li> <li>· Selectable time delay</li> <li>· Check operating status as LED flashing</li> <li>· Adjustable sensitivity (5 ~ 75pF)</li> <li>· Applicable to various liquids and solids</li> <li>· Easy installation (wire type)</li> <li>· Applicable to corrosive material</li> </ul>	<ul style="list-style-type: none"> <li>· Fail-safe level detection</li> <li>· Selectable time delay</li> <li>· Check operating status as LED flashing</li> <li>· Adjustable sensitivity (0.5 ~ 20pF)</li> <li>· Applicable to various liquids and solids</li> <li>· Applicable to corrosive material</li> <li>· Acquired the "CE" mark</li> </ul>	<ul style="list-style-type: none"> <li>· Prevention of malfunctioning as it compensates the material build-up on the probe</li> <li>· Suitable for measurement of ash</li> <li>· Applicable to high temperature condition (400°C)</li> <li>· Acquired the "CE" mark</li> </ul>	FEATURES
<ul style="list-style-type: none"> <li>· Boiler feeding drum</li> <li>· Water Control</li> <li>· Fuel oil tank level alarm, process control for petrochemical plant</li> <li>· Nuclear Power Plant for process control</li> <li>· Sealing liquid level control for generator</li> </ul>	<ul style="list-style-type: none"> <li>· Petrochemical Plant</li> <li>· Water Treatment Plant</li> <li>· Food Industry</li> <li>· All kinds of solid and liquid with dielectric constant (<math>\epsilon</math>.)</li> </ul>	<ul style="list-style-type: none"> <li>· Petrochemical Plant</li> <li>· Water Treatment Plant</li> <li>· Food Industry</li> <li>· All kinds of solid and liquid with dielectric constant (<math>\epsilon</math>.)</li> </ul>	<ul style="list-style-type: none"> <li>· Ash Hopper in Power Plant</li> <li>· Oil Ash</li> <li>· Fly Ash</li> <li>· Cement Silo</li> <li>· Material has build-up</li> </ul>	APPLICATION

TYPE		VIBRATION			
IMAGE					
MODEL		<div>HTM-20N Series</div> <div>HTM-30N Series</div> <div>HTM-920 Series</div> <div>HTM-930 Series</div>			
SPECIFICATION		<div><div><div>· Mounting : Flange / Screw</div><div>· Power Source : AC 90 ~ 240V DC 24V (Opt.)</div><div>· Contact Form : DPDT</div><div>· Contact Rating : AC 250V, 5A DC 30V, 5A</div><div>· Enclosure : Weather Proof Ex-Proof</div><div>· Conduit Connection : 2-PF 3/4"(F)</div><div>· Working Pressure : Std. 10kgf/cm<sup>2</sup> (Cable-2kgf/cm<sup>2</sup>)</div><div>· Process Temperature : Max. 80°C (Cable-60°C)</div><div>· Ambient Temperature : -20 ~ +60°C</div><div>· Fail Safe Mode : H &amp; L Selection</div><div>· Material : S.S</div></div><div><div>· Mounting : Flange / Screw</div><div>· Power Source : DC+17V ~ DC +40V AC 88V ~ 264V</div><div>· Contact Form : DPDT</div><div>· Enclosure : Weather-Proof (IP65) Ex-Proof (Ex d IIC T6)</div><div>· Working Pressure : Max. 40barA</div><div>· Process Temperature : -40°C ~ 150°C</div><div>· Resonant Frequency : 350Hz±50Hz</div><div>· Fail Safe Mode : H &amp; L Selection</div><div>· Material : S.S</div></div><div><div>· Mounting : Flange / Screw</div><div>· Power Source : AC 110V/220V, 60Hz</div><div>· Contact Form : SPDT, DPDT</div><div>· Contact Rating : AC 250V, 5A DC 30V, 5A</div><div>· Enclosure : Weather Proof</div><div>· Conduit Connection : PF 3/4"(F)</div><div>· Working Pressure : Std. 10kgf/cm<sup>2</sup></div><div>· Process Temperature : Std. 80°C</div><div>· Ambient Temperature : -20 ~ +60°C</div><div>· Material : S.S</div></div><div><div>· Mounting : Screw</div><div>· Power Source : AC 110V/220V, 60Hz DC 24V (Opt.)</div><div>· Contact Form : SPDT</div><div>· Contact Rating : AC 250V, 5A DC 30V, 5A</div><div>· Enclosure : Weather Proof</div><div>· Conduit Connection : Terminal Block</div><div>· Working Pressure : Std. 10kgf/cm<sup>2</sup></div><div>· Process Temperature : 250°C</div><div>· Ambient Temperature : -20 ~ +60°C</div></div></div>			
FEATURES		<div><div><div>· Suitable to the material with a coarse solid</div><div>· Acquired the "CE" mark</div></div><div><div>· Various liquid and powder can be detected</div><div>· Status Indicator : Power, Detector, Relay</div><div>· Sensitivity Adjustment : Dip Switch (3 Step)</div><div>· Delay Time Adjustment : Dip Switch (8 Step @ Default 1.5s ~ Max. 21s)</div><div>· Applicable to low density : 0.7g/cm<sup>3</sup></div><div>· Applicable to high viscosity : 10,000mm<sup>2</sup>/s</div><div>· Applicable to high pressure</div><div>· Operating convenience and stability</div></div><div><div>· Suitable for fine powder with small particle which has more than 0.2 specific gravity</div></div><div><div>· Suitable for light powder which has more than 0.02 specific gravity</div><div>· Adjustment after installation is not required</div><div>· Acquired the "CE" mark</div></div></div>			
APPLICATION		<div><div><div>· Water</div><div>· Petrochemical Plant (PP, PE, Nylon Chip, etc)</div><div>· Power (high or low density)</div><div>· Bulk Material</div></div><div><div>· Liquid</div><div>· Powder (high or low density)</div><div>· Petrochemical Plant</div></div><div><div>· Petrochemical Plant (PP, PE, Nylon Chip, etc)</div><div>· Power (high or low density)</div><div>· Bulk Material</div></div><div><div>· Fly Ash</div><div>· Petrochemical Plant (PP, PE, Nylon Chip, etc)</div><div>· Power (high or low density)</div><div>· Bulk Material</div><div>· Kernel of Styrofoam</div></div></div>			



ROTARY PADDLE	CONDUCTIVITY	QUICK FLOAT	CONTROL & POWER SUPPLY UNIT	TYPE
				IMAGE
HLV-300 Series	HE Series	HQ Series	HLC Series	MODEL
<ul style="list-style-type: none"> <li>· Mounting : Flange Screw</li> <li>· Power Source : AC 110V/220V, 60Hz</li> <li>· Contact Form : SPDT</li> <li>· Contact Rating : AC 250V, 15A DC 125V, 0.5A</li> <li>· Enclosure : Weather Proof Ex-Proof</li> <li>· Number of Rotation : 1-1/4rpm</li> <li>· Conduit Connection : PF 3/4"(F)</li> <li>· Working Pressure : ATM</li> <li>· Process Temperature : Std. 80°C</li> <li>· Ambient Temperature : -20 ~ +60°C</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange Screw</li> <li>· Contact Rating : AC 250V, 5A DC 30V, 5A</li> <li>· Enclosure : Weather Proof</li> <li>· Conduit Connection : PF 3/4"(F)</li> <li>· Working Pressure : Std. 10kgf/cm<sup>2</sup></li> <li>· Process Temperature : Std. 60°C</li> <li>· Electrode : S.S, Teflon</li> <li>· Combination Unit : HLC-200 / 200A / 300</li> </ul>	<ul style="list-style-type: none"> <li>· Mounting : Flange</li> <li>· Contact Rating : AC 110V, 1A DC 24V, 0.5A</li> <li>· Type of Switch : Mercury Switch / Micro Switch</li> <li>· Enclosure : Weather Proof</li> <li>· Conduit Connection : PF 1/2"(F)</li> <li>· Working Pressure : ATM</li> <li>· Process Temperature : Std. 60°C</li> <li>· Material : ABS, PVC, S.S, NBR</li> </ul>	<p><b>HLC-300 (Control Unit)</b></p> <ul style="list-style-type: none"> <li>· Installation : Panel Inside</li> <li>· Power Source : AC 110V/220V, 50/60Hz DC 24V</li> <li>· Contact Form : 1-SPDT, 2-SPST</li> <li>· Contact Rating : AC 250V 5A DC 30V 5A</li> <li>· Function : H/L Control &amp; H/L Alarm</li> </ul> <p><b>HLC-200A (Control Unit)</b></p> <ul style="list-style-type: none"> <li>· Installation : Panel Inside</li> <li>· Power Source : AC 110V or 220V, 50/60Hz</li> <li>· Process Temperature : -20°C ~ +70°C</li> <li>· Standby Power Consumption : AC110V@0.2W / AC220V@0.8W</li> <li>· Active Power Consumption : AC110V@0.4W / AC220V@2W</li> <li>· TX Signal : AC 14V</li> <li>· Relay Contact : 1-SPDT @ AC250V/5A</li> <li>· Sensitivity Adjustment : 26KΩ · cm @ Resistance of Water</li> </ul> <p><b>HLC-24P (Power Supply Unit)</b></p> <ul style="list-style-type: none"> <li>· Installation : Panel Inside</li> <li>· Power Source : AC 85 ~264V, 50/60Hz</li> <li>· Process Temperature : -30°C ~ +70°C</li> <li>· Output : DC ±24V / 400mA</li> <li>· Out Voltage Tolerance : ±2.5%</li> <li>· Ripple &amp; Noise(max) : 200mVp-p</li> </ul>	SPECIFICATION
<ul style="list-style-type: none"> <li>· Simple structure</li> <li>· Easy installation and maintenance</li> <li>· Suitable for bulk materials</li> </ul>	<ul style="list-style-type: none"> <li>· Applicable to conductive liquid</li> <li>· Easy installation and maintenance</li> <li>· Applicable to high temperature condition</li> <li>· Low cost</li> </ul>	<ul style="list-style-type: none"> <li>· Strong from the corrosion</li> <li>· Applicable to waste water or high viscosity liquid</li> <li>· Easy installation</li> <li>· Low cost</li> </ul>		FEATURES
<ul style="list-style-type: none"> <li>· Prevent the overflow or empty of Silo</li> <li>· All kinds of Solid and Powder</li> </ul>	<ul style="list-style-type: none"> <li>· General Water</li> <li>· Industrial Water</li> </ul>	<ul style="list-style-type: none"> <li>· General Water</li> <li>· Waste Water</li> <li>· Sewage Plant</li> </ul>		APPLICATION

	TYPE	MAGNETIC FLAP	REFLEX TYPE	TRANSPARENT TYPE
				
Flow Meter	IMAGE			
Level Transmitter	MODEL	HLG-100F Series	HRG Series	HTG Series
Level Switch	SPECIFICATION	<ul style="list-style-type: none"> <li>· Type : Magnetic</li> <li>· Mounting : Side to Side</li> <li>· Flange Rating : 150LB ~ 1,500LB</li> <li>· Max. Temperature : 350°C</li> <li>· Material : SUS 304 SUS 316L PP etc.</li> <li>· Output Signal : DC 4~20mA(opt.) SPST or SPDT(opt.)</li> </ul>	<ul style="list-style-type: none"> <li>· Type : Reflex</li> <li>· Mounting : Side to Side</li> <li>· Size : 15A, 20A, 25A</li> <li>· Flange Rating : 150LB ~ 1,500LB</li> <li>· Material : C.S, S.S</li> <li>· Visible Length : 171 to 4,000mm</li> </ul>	<ul style="list-style-type: none"> <li>· Type : Transparent</li> <li>· Mounting : Side to Side</li> <li>· Size : 15A, 20A, 25A</li> <li>· Flange Rating : 150LB ~ 1,500LB</li> <li>· Material : C.S, S.S</li> <li>· Visible Length : 171 to 4,000mm</li> </ul>
	FEATURES	<ul style="list-style-type: none"> <li>· Strong for aggressive material</li> <li>· Applicable to flammable or explosion area</li> <li>· High temperature &amp; pressure application</li> </ul>	<ul style="list-style-type: none"> <li>· Designed for a wide range of Pressure and temperature applications</li> <li>· Long visible length</li> <li>· Economic model</li> </ul>	<ul style="list-style-type: none"> <li>· Designed for a wide range of pressure and temperature applications</li> <li>· Suitable for observation of the level of corrosive and colored liquids</li> <li>· Long visible length</li> </ul>
Level Gauge	APPLICATION	<ul style="list-style-type: none"> <li>· Refinery Plant</li> <li>· Chemical and Petrochemical Plant</li> <li>· Boiler</li> <li>· Beverage Plant</li> </ul>	<ul style="list-style-type: none"> <li>· Refinery Plant</li> <li>· Chemical and Petrochemical Plant</li> <li>· Boiler</li> <li>· Beverage Plant</li> </ul>	<ul style="list-style-type: none"> <li>· Refinery Plant</li> <li>· Chemical and Petrochemical Plant</li> <li>· Boiler</li> <li>· Beverage Plant</li> </ul>

## TANK LEVEL GAUGE



TYPE			IMAGE			MODEL		
HLT-1000 Series			HLT-2000 Series			HAT Series		
<ul style="list-style-type: none"> <li>· Mounting : Side or Top</li> <li>· Range : 2.5m, 5m, 10m, 16m, 20m, 30m</li> <li>· Working Press. : ATM</li> <li>· Process Temp. : Max. 150°C</li> <li>· Indicator : 2-Point Dial</li> <li>· Enclosure : Weather Proof (IP65)</li> <li>· Material : SUS 304, SUS 316, etc.</li> <li>· Head Material : Al. Cast</li> </ul>			<ul style="list-style-type: none"> <li>· Mounting : Side or Top</li> <li>· Range : 2.5m, 5m, 7.5m</li> <li>· Working Press. : ATM</li> <li>· Process Temp. : Max. 150°C</li> <li>· Indicator : 1-Point Dial</li> <li>· Enclosure : Weather Proof (IP54)</li> <li>· Material : SUS 304, SUS 316, etc.</li> <li>· Head Material : Al. Cast</li> </ul>			<p><b>HAT-1000 Series (Transmitter)</b></p> <ul style="list-style-type: none"> <li>· Power source : DC 24V</li> <li>· Output : DC 4~20mA 2-SPDT (opt.)</li> <li>· Enclosure : Weather Proof (IP66) Ex-Proof (opt.)</li> <li>· Combination gauge : HLT Series</li> </ul> <p><b>HAT-5000 Series (Switch)</b></p> <ul style="list-style-type: none"> <li>· Switch type : Micro switch</li> <li>· Output : Max. 4-SPDT</li> <li>· Contact rating : AC 250V, 15A, DC 125V, 0.5A</li> <li>· Enclosure : Weather Proof (IP66) Ex-Proof (opt.)</li> <li>· Combination gauge : HLT Series</li> </ul>		
<ul style="list-style-type: none"> <li>· Semi-permanent life</li> <li>· Transmitter and Switch - Option (HAT Series)</li> <li>· No need maintenance</li> <li>· Local indication</li> </ul>			<ul style="list-style-type: none"> <li>· Semi-permanent life</li> <li>· Transmitter and Switch - Option (HAT Series)</li> <li>· No need maintenance</li> <li>· Local indication</li> </ul>			<ul style="list-style-type: none"> <li>· Semi-permanent life</li> <li>· No need maintenance</li> </ul>		
<ul style="list-style-type: none"> <li>· Refinery Plant</li> <li>· Liquids storage tank for general industry</li> </ul>			<ul style="list-style-type: none"> <li>· Refinery Plant</li> <li>· Liquids storage tank for general industry</li> </ul>			<ul style="list-style-type: none"> <li>· Refinery Plant</li> <li>· Liquids storage tank for general industry</li> </ul>		

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