삼회산업(주)

경상남도 김해시 주촌면 골든루트로 66번길 48-2
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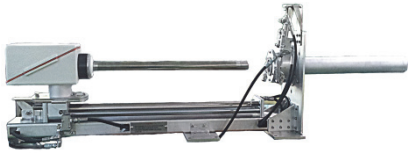
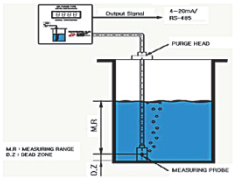
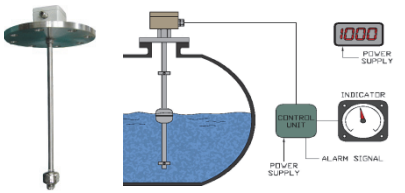
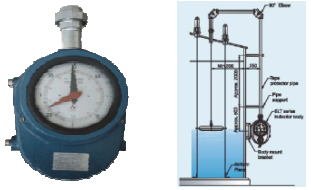
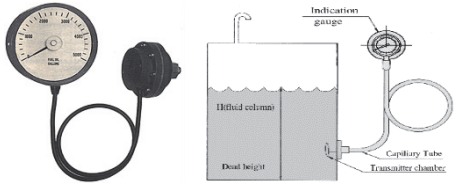
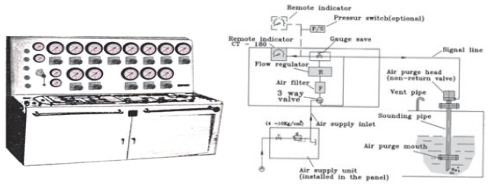
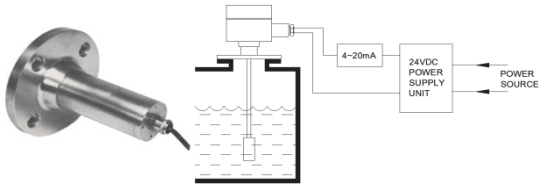
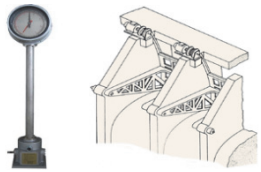
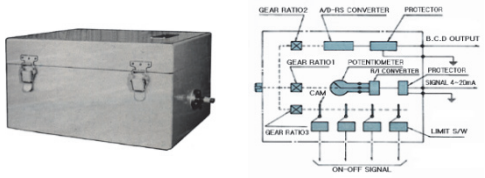
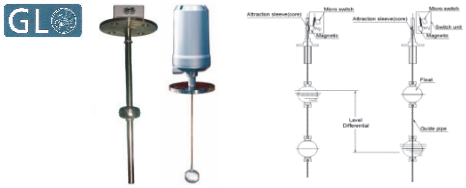
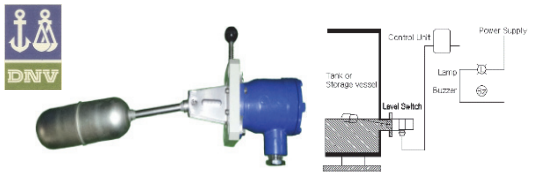
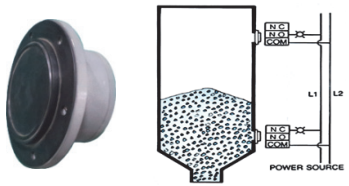
Products Summary

	Furnace CCTV Monitoring System (SH2000)	Furnace Clinker Monitoring System (SHC2000)	Portable Furnace Monitoring System (SHP2000PT)
SHAPE			
SPEC	• Straight View Type – Multipurpose • Air Cooling System • Lens Mount : C Mount • Camera Type: ½" Interline CCD • Max Use Temperature : 2000°C • Auto Retraction Type • Local Control Panel Protection : IP55	• Rotation View Type – Surveillance for clinkers inside furnace • Air Cooling System • Camera Type : ½" Interline CCD • Max Use Temperature : 2000°C • Cooling Air System & Controller Assembled in One Panel • Auto Retraction Type • Local Control Panel Protection : IP55	• Adjusting Lens Tube manually • Air Cooling System • Camera Type : ½" Interline CCD • Max Use Temperature : 1900°C • Portable Type
	Thermal Type Gas Flow Switch (SHFS)	**Sight Glass (SSG)**	**Air Purge Type Level Measuring System (SAPA)**
SHAPE			 
SPEC	• Type : Thermal Mass Type • Process Pressure : Max. 40kg/cm² • Process Temperature : Max. 85℃ • Material : 304SS / 316SS / 316LSS • Power : DC 24V • Switch Contact : SPDT, DPDT, DC 24V/1A Relay Contact	• Type : Flapper, Ball, Lighting (LED) • Process Pressure : Max. 100kg/cm² • Process Temperature : Max. 300℃ • Material : 304SS / 316SS / 316LSS / Carbon Steel	• Supply Voltage : 110/220VAC • Mounting : Top Side • Display : 16 by Serial English LCD • Electronic Accuracy/Contact : ±1% Full Scale/ Min. & Max. level • Measuring Range : Max. Tension 250VAC at 5A • Operating Temperature : Typical -20~80°C (Option 180°C Max.) • Probe Tube Length : Typical 10m (Can be extended to up to 50m) • Level Indication : High(mm, inch), Volume(liters, Gallons), Filling Percentage(%), Loop current/RS-485/0~5V/1~5V, (Option : 4~20mA Analog Out) • Switch Contact : High & Low SPDT

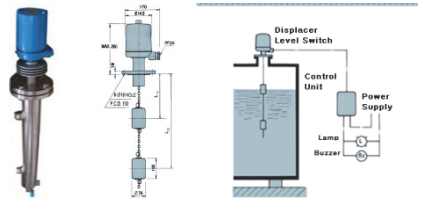
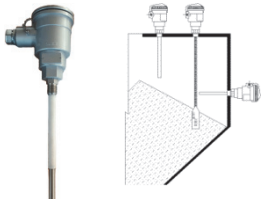
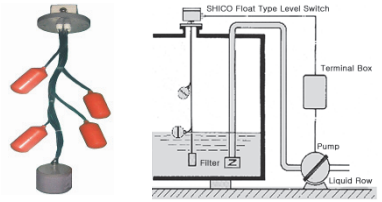
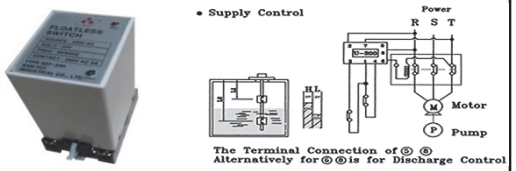
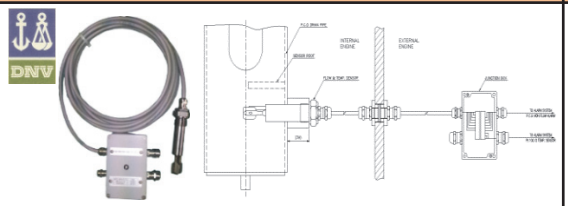
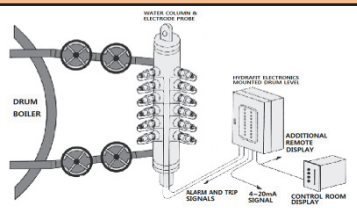
Products Summary

	Liquid Level Transmitter (SH-100)	Tank Level Gauge (SLT-1100)	Self-Power Contents Gauge (SHC-300)
SHAPE			
SPEC	• Resistance : about 1㏀ • Max current : 0.03A • Max voltage : DC 30V • Output : 0~1mA DC4~20mA DC (R/I converter use) • Continuity of the signal voltage level difference : 500mm long 3.0% 1000mm long 1.5%, 2000mm long 0.75% 3000mm long 0.5% • Subject to full scale of indicator	• Measuring Method : Displacement by float • Indication : 2-pointer dial or counter (Graduation increasement 1mm) • Display Analog Display (Pointer-scale plate) • Operating temperature : -20~40℃ • Specific Gravity : 0.65~1 • Process Pressure : 0.2kg/cm² • Accuracy: ±2.0mm • Measuring Range : 0~2m, 3m, 5m, 6m, 10m, 12m, 15m, 20m(Max.) • Weather Proof	• Maximum Error : Not exceed ±1% of full scale deflection. • Range : 1 to 50meters • Over Load : 100% above maximum range • Operating Temperature : Indication gauge : -40~70℃ Transmitter chamber : -40~120℃ • Indication Gauge : Mounting(wall), Diameter(ø150mm), Graduation : Hight and Volume • Capillary : 304SS, Length(4m)
	Air Purge Type Level Gauge Multi System (SPG)	**Pressure Transducer Type Level Transmitter(SH-300)**	**Ultrasonic Level Transmitter (SAI-710)**
SHAPE			
SPEC	• System type : One line type air purge • Flow rating : 5N I/hour(about) • Accuracy : 1% of F.S • Working temp. : 0 to 50℃ • Supply air setting pressure : 4 to 10kg/cm² • 400m max. distance of signal line and indicator • Signal line size : 0D6 or 0D8 • Transmitter : 4~20mA output signal	• Installation : Top, Side mounting • Mounting Method : Flange, Screw • Mounting size : KS, JIS 80A 10K • Rated pressure : 0.5kg/cm² • Max pressure : 1kg/cm² • Compensated temperature range : -20~80℃ • Operating temperature range : -20 ~ 80℃ • Linearly/Hysteresis : ±0.3% F.S • Power Source : DC 24V 100mA • Material : Case – ALDC, Flange – 304SS, Element , Head – 304SS	• Transmit Sensitivity : Min.100B re 1uPa/V at 1m • Beam Width(at-3dB) : 5 DEG • Materials : Housing (P.P), Sensor(Ceramic) • Acoustic Window : Glass Reinforced Epoxy • Operating Temperature : -30~70℃ • Operating Pressure : Max. 2bar • Mechanical Protection : IP68 • Mounting Size : 4" ANSI 150 #RF • Temperature Sensor : Built in PT100. Sensor • Output : 4~20mA • Cable Entry : PG11

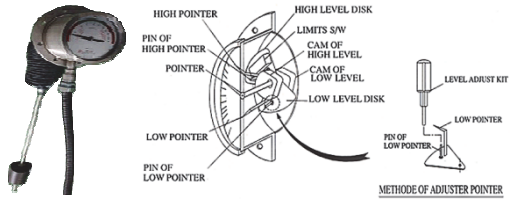
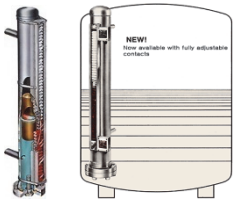
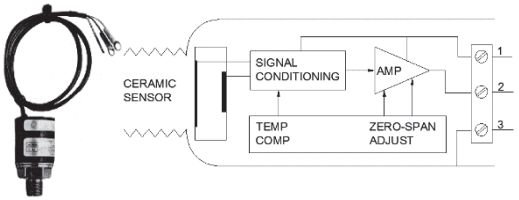
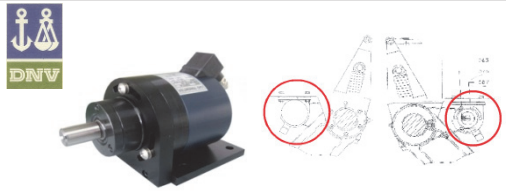
Products Summary

	Standard Type Gate Position Indicator(SGPI)	Gate Position Indicator (SGPT)	Float Level Switch (SL-30 Series)
SHAPE			
SPEC	• Measuring Range : Max 50m • Input Shaft : Radial load-below 15kg, Thrust load below 10kg, Allowable rotating speed below 300rpm • Cam : Diameter ø100 ø56, Stroke 4mm • Accuracy of the ratio : ±10mm (stroke : 50mm) • Accuracy : Below ½ of minimum reading value • Ambient Temperature : -20 to 60℃ • Power Source : AC 110/220V 60Hz • Output Signal : AC 250V 15A • Dielectric Strength : AC 1000V 1min • Insulation Resistance : DC 50V 10㏁ • Material : Base ALDC, Pipe Steel, Head ALDC	• Measuring Range : Max 50m • Input shaft : - Radial load : Less than 15kg - Allowable rotating speed : Within load 10kg thrust less than 6 rpm - Shift abrasion : Less than 5kg/cm • Cam : Outside diameter ø56 limit switch • Hysteresis about 2°standard make width 15° • Accuracy : ±10mm (struck 50) • Allowable Temperature : -20~60℃ • Output Signal : Micro s/w (1 set with 6 point AC250V 15A) • Power Source : AC110/220V 50/60Hz • Dielectric Strength : AC1000V 1Min (Dielectric Power Line and Chassis) • Insulation Resistance : DC 500V 10㏁	• Installation : Top Mounting • Mounting Method : Flange • Mounting Size : KS, JIS 80A 10K(6t) • Operating Pressure : ATM • Operating Temperature : Max. 80℃ (SUS) / 60℃ (P.V.C) • Ambient temperature : max. 60℃ (SUS) / 50℃ (P.V.C) • Specific Gravity of liquid : min 0.6 • Flange (ANSI, DIN) • Chamber type (304SS, PVC, Steel) • Screw Type(304SS, PVC, Steel) • Operating Pressure : 10kg/cm² • Electric switch contacts related at : AC 110V 5A • Control Unit, / Explosion Proof d, G4 Enclosuer
	Vibrating Fork Level Switch (Explosion Proof)	**Magnetic Float Type Liquid Level Switch (SL-12)**	**Diaphragm Level Switch (SDLS-40)**
SHAPE			
SPEC	• Model : SVFLS • Power Supply : 110V or 220V AC, or DC24V • Output Contact : 2a2b DC 24V 1A • Time Delay : Adjustable from 1 or 3 sec. • Power Consumption : 5VA approx' • Protection : IP56 • Housing Material : Aluminum die casting • Cable Entry: PG#9 & PT ½ cable gland • Probe Operation Temp: -40~85℃ (Active Surface: -40~150℃) • Connection: ¾" or 1" screwed (flanged mounting on request) • Probe Material: Stainless steel 304, 316 • Level Length: Standard 135mm	• Switch Contact Rating (SPDT) : AC250V/10A, DC 250V/0.25A • Installation : Side • Mounting Method : Flange • Mounting Size : KS, JIS 65A 5K • Operating Size : 10kg/cm² or over [Wet Side] - Max working pressure : 18bar - Working temperature range : 1~210℃(Max) [Dry side] - Ambient temperature : 1~60℃ (Max) • Specific Gravity of Liquid : Min 0.6 • Material : Body - ALBC 3, Flange - ALBC 3 Float - SUS 304	• Outside diameter : ø210 • Bolt circle : ø175 • Conduit connection : PF 1/2" • Switch rating : AC250V 15A, DC125V 0,5A • Diaphragm movement : 0.8m/m • Ambient temperature : 60℃ • Color : metallic • Installation : Side Mounting • Mounting method : Flange • Material : Body-ALDC

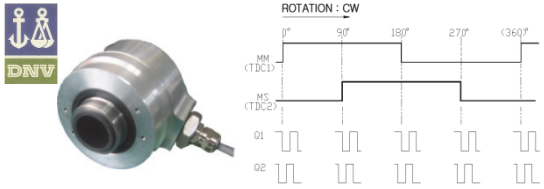
Products Summary

	Displacement Type Level Switch (SLM-50)	Capacity Type Level Switch (SCL)	Quick Liquid Level Switch (SLQ-60)
SHAPE			
SPEC	• Installation : Top mounting • Mounting method : Flange, Screw • Mounting size : KS, JIS 80A 10K • Operating pressure : 10kg/cm² • Operating temperature : max 120℃ • KS, JIS general flange • Designed for top mounting : Operating differential for high or low alarm, cut off or pump control • Electric output • Switch type : Micro switches • Contact from SPDT, DPDT • Electric switch modules with one or three independent SPDT • Contacts rated at : AC250V 15A, DC125V 0.5A • Specific gravity : 1 , • Slip-on flanges	• Instrument power source : 24VDC, 110/220VAC • Power consumption : 4.5VA • Output contact : SPDT 200V AC, 1A resistive load • Ambient temperature allowance : -25~70℃ • Stabilized detection range : For high sensitivity : 0.5~20pF, For standard sensitivity : 2~50pF, For low sensitivity : 2~1000pF, For ultra low sensitivity : 2~5pF, • Delay time setting : Max 10sec. (Variable) • Sideward loading at electrode : Top end load 100kg (Special Specification : 500kg) • Pressure withstand at electrode : 10kg/cm² • Allowable working temperature : -25~80℃ (Special Specification : -45~500℃) • Impact: 10G at electrode, Vibration : 2mm 600~3,600/min • Construction : Water tight	• Installation : Top mounting • Mounting size : KS, JIS 100A 10K • Operating pressure : ATM • Operating temperature : Max 60℃ • Ambient temperature : AMB • Electrical rating : 220V, 3A • KS, JIS flanges • Switch type : Mercury switch • Top mounting • Electric output • Enclosure type : Weather proof • Switch Contact Rating - Electric switch contact rated at : 250VAC, 1A, 3A
	Level Controller (U-200)	**Combined Vibration Type Level Switch (SVFLST)**	**Hydrafit Electronic Gauge (HGS)**
SHAPE			
SPEC	• Power source : AC 110/220V ±10% 50 ~ 60Hz • Ambient temperature : -20 ~ +60℃ • Output contact capacity : AC150MV 5A (resistance load) • Insulation resistance : More than DC 500V 100㏁ • Dielectric strength : AC150V 1 minute • Power consumption : 2VA • Inter electrode : AC 12V • U-200 sensitivity adjustable type	• Input Power : DC 24V • Output Signal : PT 100Ω • Current Consumption : Max. 70mA • Flow Switch Contact : DPST, DPDT(Option) • Operating Temperature : -20~150℃ • RTD Measuring Temperature : -20~150℃ • Temperature Sensor Element : 3Wire Type(Class B) • Protection : IP67	• Low Pressure Columns - Design Pressure: 120bar, -Design Temperature: 327℃ - Electrode Probe Type: SP-02 for 7-11 pH operation SP-03 for high pH or low temperature • High Pressure Columns - Design Pressure: 207bar, -Design Temperature: 368℃ - Electrode Probe Type: SP-04 for 7-11 pH operation • Supercritical Pressure Columns - Design Pressure: 300bar - Design temperature: 560 ℃ - Electrode Probe Type: SP-04 for 7-11 pH operation

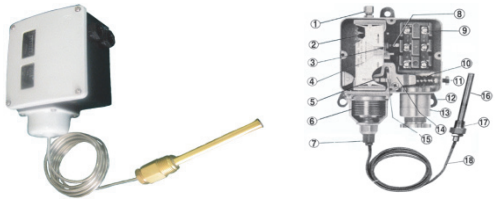
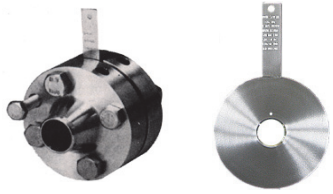
Products Summary

	Oil Tank Level Gauge (SAGF-900)	Magnet Level Gauge (SH-200X)	Local Indicating Pressure Transmitter (SKP-11)
SHAPE			
SPEC	• Mounting Type : Side Mounting • Gauge Dia Size : ø100 • Bellows Material: Hytrel • Alarm Point • High Level : 815 Below Tank Top • Normal Level : 915 Below Tank Top • Low Level : 1015 Below Tank Top • Float Arm Length : 960mm	• Float and standpipe are manufactured in antimagnetic, stainless steel. • Standard connection is $^3/_4$" welding sockets. • Indicator segments and bearings are Host a form C. • Indicator column is drawn aluminium with a transpa rent, sealed perplex cover. • Max. pressure standard type : 25kg/cm² • Max. temperature standard types : 120℃ • Max. range standard types : 2.0m • Min. specific gravity of medium : 0.6m • Largest range so far produced is 7.0 meter.	• Accuracy : ±0.5% FSO • Non-linearity : ±0.20% FSO typical • Repeatability : ±0.20% FSO typical • Pressure Hysteresis : ±0.050% FSO typical • Long-term Stability : ±0.3% FSO over 6 months • Operation Temperature Range: -40~125℃ • Compensated Temperature Range: 0~70℃
	Pressure Transmitter with Indicator (SKP-30)	**Low Cost Pressure Transmitter (SP-100 Series)**	**Angular Type Load Transmitter (SSEPOT-60)**
SHAPE			
SPEC	• Accuracy : ±0.5% FSO ±0.5% FSO for sealed diaphragm • Non-linearity : ±0.100% FSO typical • Repeatability :±0.015% FSO typical • Pressure Hysteresis : ±0.010% FSO typical • Long-term Stability : ±0.3% FSO over 6 months • Operation Temperature : -40~125℃ • Compensated Temperature : 0~82℃ • Thermal Sensitivity Shift : ±0.2% FSO typical • Thermal Zero Shift : ±0.2% FSO typical	• Pressure Range(kg/cm²) : 0~1, 0~2, 0~4, 0~6, 0~10, 0~15, 0~20, 0~35, 0~50 0~100, 0~160, 0~250, 0~350, 0~400,-760~0, -1~9, -1~15 (Gauge and absolute) • Accuracy : ±0.25% (non-linearity repeatability, hysteresis) • Temperature coefficient (0.1% per 10℃) be optimized for a specific operating temperature. • Zero and Span adjusted • Operating temperature Range : -40℃ to +125℃ • Long Term Stability : ±0.25% • Electromagnetic Interference (EMI) Protection	• Angular Motion : 0~60° ±5% • Power Supply : 24VDC (Typical) • Output : 4~20mA • Temp : -25~70℃ • Protection : IP56

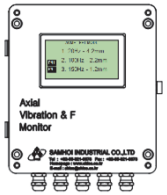
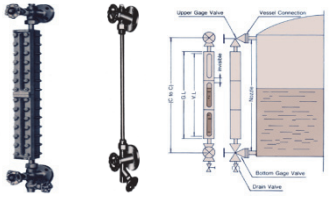
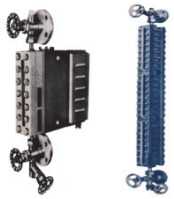
Products Summary

	Angle Encoder (SE-50)	Angle Encoder (SE-50-E360)	Power Supply & Battery Charger (SH-90)
SHAPE	 Single Double		
SPEC	• Incremental Type • Input : DC 24V • Output : 1 Channel/ 2 Channel • Operating Temperature : -25 ~ 75℃ • Protection : IP56 • Pulse Out : 1024/ 1Turn • A.B Symmetry : 180°e ±1°e • Index Pulse Width : 90±1°e • Quadrature : 90±1°e • Mounting PCD : 97.5 x M3	• Incremental Type • Input : DC 24V • Output : 4 Channel (MM,MS,Q1,Q2) • Position Accuracy : ±0.1° • Protection : IP67 • Line Count : 1bit/1turn (MM,MS) 1~360bit/ 1turn(Q1,Q2) • Channel Separation : 90°±1° • Measuring Step : 4 x Line Count	• Input Voltage : 230V • Input Voltage Range : 185~264 • Frequency : 45~65 • Power Factor : 1 • Charge Characteristic : three step • Battery Capacity : 1500-500/400-800/500-1000/125-250 250-500 • Operating Temperature Range : -20 to 60℃ • Humidity : Max. 95% • Material & Color : Aluminum(blue RAL 5012) • Battery Connection : M8 studs • 230 V AC-connection : Screw-clamp 2.5mm²(AWG 6) • Protection category : IP21
	Power Supply & Battery Charger (UPS)	**ME Engine Power Supply (UPS)**	**Local Operation Panel (SH-LOP)**
SHAPE			
SPEC	• Input : 100~240V AC 50/60Hz 8.2A • Output : 26.9 DC normal Max 12A • Over Current : 22.2A • Battery Back-up time : 12A in 30min • High Alarm : DC 29V, Low Alarm : DC 23V Trip Alarm : DC 22V • Alarm as Potential free contacts : Under Voltage : 18 VDC, High Voltage: 32 VDC • Protection : Under Vol 18VDC, High Vol 32 VDC • System Type : Floating DC System • Protection Circuit : Work at over 185% of rating and Auto recovery/115-140% Rated output voltage • Battery Life : 3 years	• Input : AC 230V / 50~60Hz • Output : 24 VDC • Capacity : Deliver 40A amp • Battery : 12V 65A 2set, Life Time 8 year/20℃ • Alarms : AC Power, UPS battery mode, batteries not available (fuse fail) • Protection : Input over current, output over current output high/low voltage • MCB : ABB • Filter : Rittal • DC/DC Converter : Phoenix Contact	• Power Source : DC 24V • Ambient Temperature : -25~55℃ • Vibration : Frequency Range 3~25Hz, 25~100Hz Acceleration Amplitude : 4.0g • Material : Steel 2t • Mounting Type : Wall Mounting • Protection : IP44

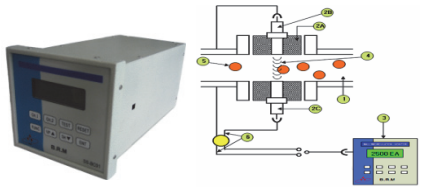
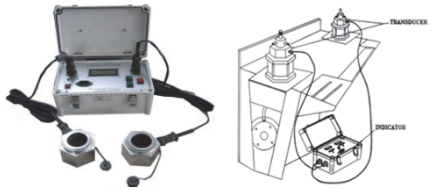
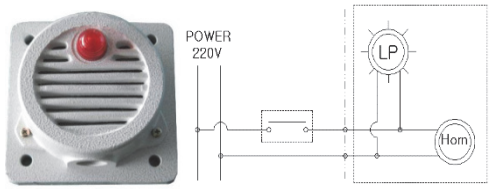
Products Summary

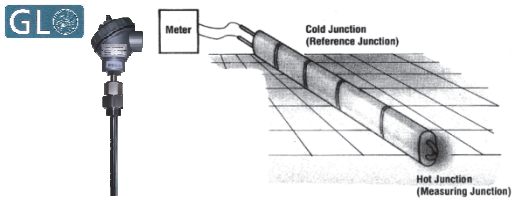
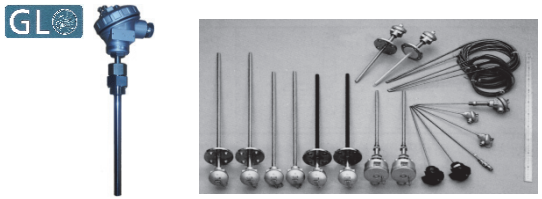
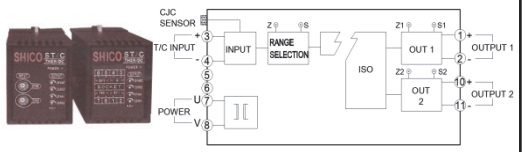
	Temperature Switch (STL-550/650)	Thermometer (TM-80)	Orifice with Annular chambers (OPA)
SHAPE			
SPEC	• Ambient Temperature : -50~70℃ • Contact System : SPDT, Line, 1, 2, 4 — Single –pole changeover switch • Alternate current - AC-1 (Ohmic) : 10A, 400V - AC-3 (Inductive) : 2A, 400V - AC-14/15 (Inductive) : 1A, 400V - Blocked rotor : 14A, 400V Direct current - DC-13/14 (Ohmic) : 12W, 230V • Cable Entry : 2PG 13.5 for 6~14mm diameter cables • Enclosure : IP66	• Power : 24 VDC • Bourdon Oil Filed Type • Accuracy : ± 1.6% • Measuring Range : 50 ~ 650℃	• Type: Concentric orifice such as "edge" and "quarter circle" • Calculation Standard : According to concentric edge ISO 5167, 1980 • Nominal Pipe Size : 25A to 300A (Max 1000A) • Gasket : Valqua No 1500, No 7000
	Orifice Plates with Flange Taps (OPV)	**Paddle Type Flow Switch (SFS)**	**Thermal Flow Switch (SIF-100)**
SHAPE		 NORMAL WATER PROOF	
SPEC	• Type : Concentric orifice such as "edge" type • Calibration Method : According to ISO5167, 1980 • Nominal Pipe Size : 25~300A (Max 750A) • Gasket : Valqua No 1500, No 7000	• Fluid : Water & Anti-corrosiveness fluid • Pressure : Max 9.9kg/cm² (9.9bar) • Inner Water Pressure : 17.5kg/cm² (17.5bar) • Insulation Resistance : Over 100 Mega A (by DC 500 Mega) • Withstanding Voltage : AC 1500V for 1min. • Interface 1ab	• Non-viscous, water-based liquids • Switching Range : 0.15 to 6.6Ft/sec • Repeatability : ±2% •Response Time : 5,6-12 sec typical • Status Indicator : 1dual color LED • Maximum pressure : 580 psig • Operating Temperature : -4 to 176°F • Max Clean-In-Place Temperature : 250°F • Power Requirements : 24 VDC ±10% • Switch Type : NPN or PNP open collector • Switching Rating : 400mA Max @ 24VDC short circuit protected • Electrical Connection : Micro DC Plug, 4-pin male • Electrical Protection : NEMA 4X/IP65

Products Summary

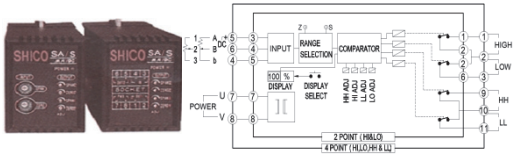
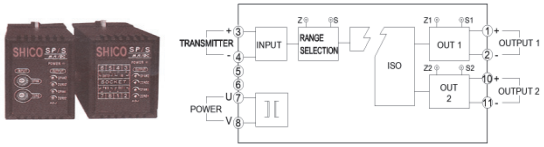
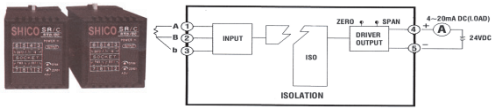
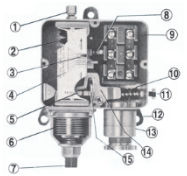
	Pick Up Sensor (AS-10)	Digital Temperature Transmitter (ST-32)	Stepping Motor Type RPM Indicator (SHM 96-270)
SHAPE			
SPEC	• Sensing Range : 0.1 ~ 5mm • Differential Travel: 10% Max of sensing range • Response Frequency : 2,000Hz • Power Supply Voltage : 12 ~ 30 VDC, ripple(p-p) : 10%max • Current Consumption : 13 mA max • Control Output : Load Current 20 mA max. Residual volt : 2V max(Load Current 200mA,Cable Length 2m) • Maximum Current : 100mA • Indicators : Operation Indicator(red) • Output : PNP NO • Operation Temperature : -25~75℃ • Insulation Resistance : 50 MΩ min. (at 500 VDC) • Dielectric Strength : 1,000 VAC, 50/60 Hz for 1 min • Protection : IP67	• Input Signal : Pt 100 in 3-lead connection • Output Signal/Limits : 4-20mA, Invertible, 2 wire design/ NA MUR (Lower Limit : 3.8mA, Upper limits : 20.5mA) • Signaling of sensor error : NAMUR down scale(<3.6mA) • Mains : 50MHz • Ex Class Protection : 1G EEx ia IIB/IIC T4/T5/T6, Intrinsically safe : 2G EEx ib IIB/IIC T4/T5/T6 • Measuring Range/Operating Temp : Max Tension 250VAC at 5A/Typical -20~80℃ (Option 180℃ Max) • Isolation Voltage : 1500VAC • Configurable via : HART Communicator PC (Windows program)	• Supply Voltage : 18 ~ 30 VDC • Power Consumption : < 1.5 VA • Starting Current : 1A about 1sec • Protection class : Front panel- IP 56 Terminals - IP 20 • Operating Temperature : -25~55°C • Storage temperature : -25~65°C • Input Signal : 0~20mA, 4~20mA, 0~10V, -10~0~10V • Stepping Motor : Gear motor, with resolution of 0.083° (4320 step) • Rotation speed : max. 1.5 sec / 360° • Housing Material : Steel plate, hot-dip galvanized
	Axial Vibration Monitor (AVM)	**Reflex/Tubular Level Gauge (SRG/STG)**	**Two Color Water/Transparent Level Gauge (SRGG/STRG)**
SHAPE			
SPEC	• Input Power : DC 24V • Using Sensor : SIS-22-M64-R0 / IMA30-20BE1ZC 0K / BAW030-PF-1-K10 • Sensing Range : 0~20mm (Max) • Current Consumption : About 130mA • Output: 4~20mA/ 1V/mm (Max 10V) Vibration(DPDT dry contact) : 220V 50~60Hz 0.3A Slowdown(DPDT dry contact) : 220V 50~60Hz 0.3A • Delay Time Set : 0~999sec free Setting • Length Set : 0~999sec free Setting • Operating Temperature : -20~75℃ • Protection class : IP67	• Reflex Type Level Gauge: SRG-1 : 1~40kg/cm² Size : 15A, 20A, 25A SRG-2 : 1~100kg/cm² Size : 15A, 20A, 25A SRG-3 : 1~30kg/cm² Size : 15A, 20A, 25A • Tubular Level gauge: Pressure : 10kg/cm² Size : 15A, 20A, 25A	• Two Color Water Level Gauge SRGG-L : 270℃, 65kg/cm² SRGG-H : 300℃, 1000Kg/cm² SRGG-UH : 374℃, 210Kg/cm² • Transparent Level Gauge STRG-1 : 1-50kg/cm², Size : 20A, 25A STRG-2: 1-150kg/cm², Size : 20A, 25A STRG-3: 1-30kg/cm², Size : 20A, 25A

Products Summary

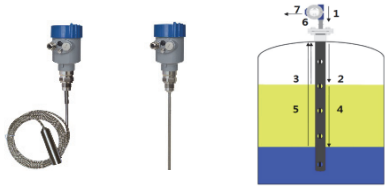
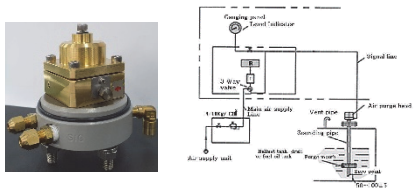
	Ball Recirculating Monitoring System (SH-BRM)	Portable Tension Indicator & Transmitter (SHIN-3000)	Signal Explosion-Proof Horn (SA-10)
SHAPE			
SPEC	• Input Power : DC 24V • Accuracy : ±5% • Counting Ability : About 1500Ea/sec (adjustable) • Setting Time : about 200sec(adjustable) • Low Ball Setting Limit Alarm : 60~80% • Display LCD : 20 by 4 • Option : 4~20mA remote card	• Type : Portable Single Appointment Indicator • Display : 20 Characters *4 Line • Weight Range : Appointment 1-25ton • Input resistance from load cell : 700 ohm (Load cell only model : DSTR) • Display Mode : 'mV', 'kg', 'Ton' • Temperature, operating : -20℃ to 90℃ • Temperature, storage : -25℃ to 130℃ • Power : Internal battery, AC 85~220V 60Hz • Batteries : "S/C" Ni-Cad 1.2V*12 14.4V, 1,800mA • Channels : Two each with separate lockable balance adjust • Transducer cables : 2.5m with mating connector • Case : 190x280x130 with latching lid and handle • Protection Class : IP65	• Voltage : 12/24V, 110/220V • Current : 0.2A • Ass'y : Lamp(Stove type 12/24VDC or 110/220 VAC) • Decibels : 100dB/100 Feet • Class : NEMA 9F (Korea Industrial Safety Research Institute) • Protection Class : IP65

	Sheath Thermocouple (STC-TM)	Sheath Resistance Temperature Detector (STC-RM)	Thermocouple Converter (STC)
SHAPE			
SPEC	■ FEATURES • Quick Response • High Flexibility and Mechanical Strength • Excellent Resistance to Heat, corrosion and pressure • Wide Selection of Cable Specification • Wide Range of Measuring Temperature	JIC C1606 Metal sheathed Resistance Bulbs Sheath (O.D.(mm)) / Insulation Resistance. / Withstand Voltage 3.2 / 5MΩ/250V DC / 1min./250V AC 4.8, 6.4, 8.0 / 5MΩ/500V DC / 1min./500V AC	• Input Signal : (K, J, E, T, B, R, S) • Output Signal : DC Voltage or DC Current signal • Accuracy : ±0.2% of F.S • Linearity : ±0.1% of F.S • Repeatability : ±0.1% of F.S • Response Time : Less Than 0.5sec(0~90%) • Insulation Resistance : Greater than 100㏁ (DC500V) • Dielectric Strength : Input-Power AC1000V Input-Output AC1000V (1 min) Input-GND AC1000V • Ambient Temperature : -5~+60℃

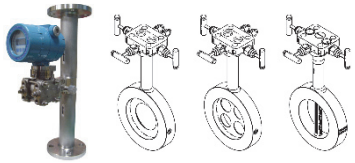
Products Summary

	High / Low Alarm Setter (SAS)	2 Wire Power Supply Unit (SPS)	RTD Isolation Converter (SRC)
SHAPE			
SPEC	• Input : DC voltage signal (RTD) DC current signal (RTD) • Output : Open Collector, Relay • Accuracy : ±0.2% of F.S • Linearity : ±0.2% of F.S • Repeatability : ±0.1% of F.S • Response Time : Less Than 0.5sec(0~90%) • Insulation Resistance : Greater than 100㏁ (DC500V) • Dielectric Strength : Input-Power AC1000V Input-Output AC1000V (1 min) Input-GND AC1000V • Ambient Temperature : -5~60℃	• Input : 2-Wire 4~20mA • Output : DC Voltage • Accuracy : ±0.3% of F.S • Ripple : 0.2Vp-p max • Insulation Resistance : Greater than 100㏁ (DC500V) • Dielectric Strength : Input-Power AC1000V (1 min) Input-GND AC1000V (1 min) • Ambient Temperature : -5~60℃	• Input Signal : PT 100Ω 3-Wire, PT 50Ω 3-Wire Current to PT Bulb(2mA) • Output Signal : DC Vol. Or DC Current Signal • Accuracy : ±0.2% of F.S • Output Rating : ±0.1% of F.S • Repeatability : ±0.1% of F.S • Response Time : Less Than 0.5sec(0~90%) • Insulation Resistance : Greater than 100㏁ (DC500V) • Dielectric Strength : Input-Power AC1000V Input-Output AC1000V (1 min) Input-GND AC1000V • Ambient Temperature : -5~60℃
	Smart Differential Pressure Transmitter (SPD-79)	**Compact Pressure Transmitter (SP-10)**	**Pressure Switch (SPL-550)**
SHAPE			
SPEC	• Type : Diaphragm • Accuracy : 0.075% • Pressure : 0.25bar / 700kg/cm² • Temperature : -40~150℃ / Max. 280℃ • Sensor : Absolute and Gauge Pressure • Material : Diaphragm 316L / Alloy C276 / etc • Turn Down up to 100:1 higher on request • Power : DC 24V Loop Power • Output Signal : 4~20mA / HART	• Type : Diaphragm • Accuracy : 0.25% • Pressure : 25kpa / 700kg/cm² • Temperature : –40~150℃ / Max. 280℃ • Sensor : Absolute and Gauge Pressure • Material : Diaphragm 316L Alloy C276 / etc • Power : DC 24V Loop Power • Output Signal: 4-20mA	• Model : SPL-550 • Type : Rack Mount Type • Pressure Range : 0.1~80kg/cm² • Process Pressure : Max. 100kg/cm² • Process Temperature : Max. 100℃ • Bellows Material : 304SS / 316SS / 316LSS / BC • Switch Contact : SPDT, DPDT, AC 250V/15A, DC 30V/5A

Products Summary

	Radar Type Level Transmitter (SHRT-502)	Guided Wave Radar Level Transmitter (SHGRD700)	Magnetostrictive Level Transmitter (SHML1000)
SHAPE			
SPEC	• Model : SHRT-502 • Type : Radar Type • Power : DC 24V • Output : 4~20mA / Hart 2-Wire • Process Temperature : -40~130℃ • Process Pressure : -0.1~40kg/cm² • Accuracy : ±0.3% F.S • Level Range : 0~100m • Material : 304SS / 316SS	• Application : Liquid, Solid Particle • Measure Range : 30m • Process Temperature : -40~450℃ • Process Pressure : -1~40kg/cm² • Accuracy : ±1mm • Frequency : 100Mhz~1.8Ghz • Power : DC 24V • Output : 4~20mA / Hart 2-Wire • Material : 304SS / 316SS	• Model : SHML1000 • Type : Float Type Level Sensor • Level Range : 6m • Power : DC 24V • Output : 4~20mA / Hart 2-Wire • Material : 304SS / 316SS / 316LSS • Process Temperature : –40~400℃ • Process Pressure : -0.1~250kg/cm² • Accuracy : ±1mm
	Capacitive Type Level Transmitter (ALC-6000)	**Air Purge Type Level Transmitter (SPG)**	**Laser Level Transmitter (LM80)**
SHAPE			
SPEC	• Level Range : 35m • Power : DC 24V • Output : 4~20mA / Hart 2-Wire • Material : 304SS / 316SS / 316LSS • Process Temperature : –184~240℃ • Process Pressure : -0.1~70kg/cm² • Accuracy : ±0.5% F.S	• Type : Air Purge Type • Level Range : 100m • Process Pressure : Max. 100000mmH₂O • Process Temperature : Max. 120℃ • Material : 304SS / 316SS / 316LSS • Power : DC 24V • Output Signal : 4~20mA • Accuracy : ±1% F.S • Display : 3-1/2 Digit	• Type : Laser Type • Level Range : 0.5~150m • Process Pressure : 1kg/cm² • Process Temperature : -40~60℃ • Material : 304SS / 316SS / 316LSS • Power : DC 24V • Output Signal : 4~20mA

Products Summary

	Displacement Type Level Transmitter (SDLT-500)	Electromagnetic Type Flow Transmitter (SMF-4800)	Thermal Type Flowmeter (HGRS)
SHAPE			
SPEC	• Type : Displacement Type • Level Range : 6m • Process Pressure : Max. 200kg/cm² • Process Temperature : Max. 450℃ • Material : 304SS / 316SS / 316LSS / Carbon Steel • Power : DC 24V • Output Signal : 4-20mA / Hart 2-Wire • Accuracy : ±0.5% F.S	• Type : Electromagnetic Type • Flow Range : 0.08~60000m/h • Process Pressure : Max. 200kg/cm² • Process Temperature : Max. 150℃ • Material : 304SS / 316SS / 316LSS / Carbon Steel • Power : DC 24V • Output Signal : 4-20mA / Hart 2-Wire • Accuracy : ±0.5% F.S	Type : Thermal Type Flow Range : 0.1~60m/h Process Temperature : Max. 500℃ Material : 304SS / 316SS Power : DC 24V Output : 4~20mA Hart 2-Wire Accuracy : ±1.5% F.S
	Turbine Flowmeter (STB)	**Glass Taper Tube Flowmeter (SHG)**	**Differential Orifice Flowmeter (SFD)**
SHAPE			
SPEC	• Type : Turbine Type • Flow Range : 0.1~1800m/h • Process Pressure : 1~60kg/cm² • Process Temperature : Max. 230℃ • Material : 304SS / 316SS • Power : DC 24V • Output Signal : 4-20mA / Hart 2-Wire • Accuracy : ±0.5% F.S	• Type : Glass Taper Type • Flow Range : 0.1~60m/h • Process Pressure : Max. 10kg/cm² • Process Temperature : Max. 120℃ • Material : 304SS / 316SS /316LSS / Carbon Steel • Switch Contact : DC 24V/0.5A, AC 220V/0.3A • Accuracy : ±2% F.S	• Type : Differential Type • Flow Range : 0.1~2500m/h • Process Pressure : Max. 30kg/cm² • Process Temperature : Max. 120℃ • Material : 304SS / 316SS / 316LSS • Power : DC 24V • Output Signal : 4-20mA / Hart 2-Wire • Accuracy : ±0.5% F.S