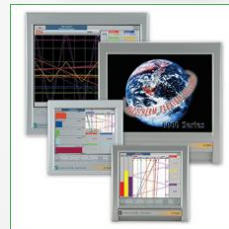# Intelligent Sensor Line Co., Ltd.

Products Brochure

Ver. 1.1

I S L

Intelligent Sensor Line Co., Ltd.

To adapt and respond to rapidly changing domestic and international corporate environment, it is believed to be necessary to reduce the cost by making things automatic and improve the product quality. As the company that deals professionally with various control instruments required for automation, we manufacture and sell temperature pressure flow rate level sensor, and strive to find application needed in shipbuilding industry, aircraft industry, chemicals, plants, and heat treatment installation. In particular, by simultaneously building monitoring and control instrumentation system, we try to assist in productivity and product quality improvement.

18, Chasang-ro, 8beon-gil, Uichang-gu, Changwon-si, Gyeongsangnam-do, Korea Postcode : 51402

TEL : +82-55-238-1072   FAX : +82-55-238-1062 Homepage : www.eisl.co.kr

COMPANY HISTORY

2001. 02. 14 Established the company ISL INSTRUMENT

2002. 06. 22 Build a joint Factory with DONGYANG SENSOR

2005. 07. 01 Product of THERMOCOUPLE, RTD SENSOR

2005. 07. 18 Registration of Design SCALE INDICATE THERMOCOUPLE

2007. 01. 01 Merged with the DONGYANG SENSOR CHANGWON FACTORY

2008. 09. 11 Certified for ISO9001

2008. 10. 10 INTELLIGENT SENSOR LINE Co., Ltd. Opening

2009. 10. 01 Product of LEVEL SWITCH

2010. 01. 20 Certified for Reliability Industrial Thermometer Sensor

2012. 08. 05 Move the HEAD OFFICE

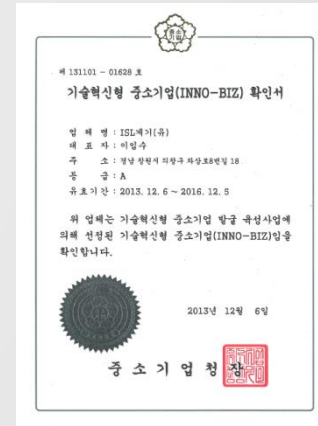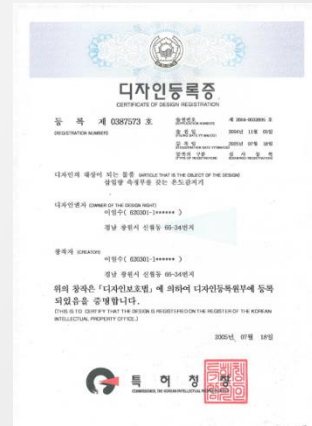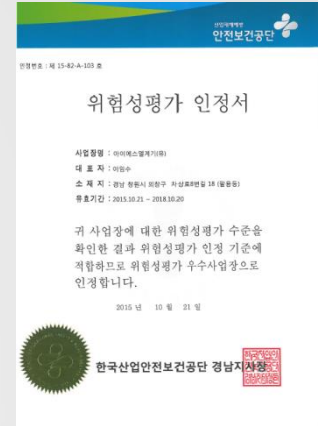*2012. 11. 13 Registration of Patent NITRADE HEAT TREATMENT SENSOR*

2013. 12. 05 Registration of INO-BIZ

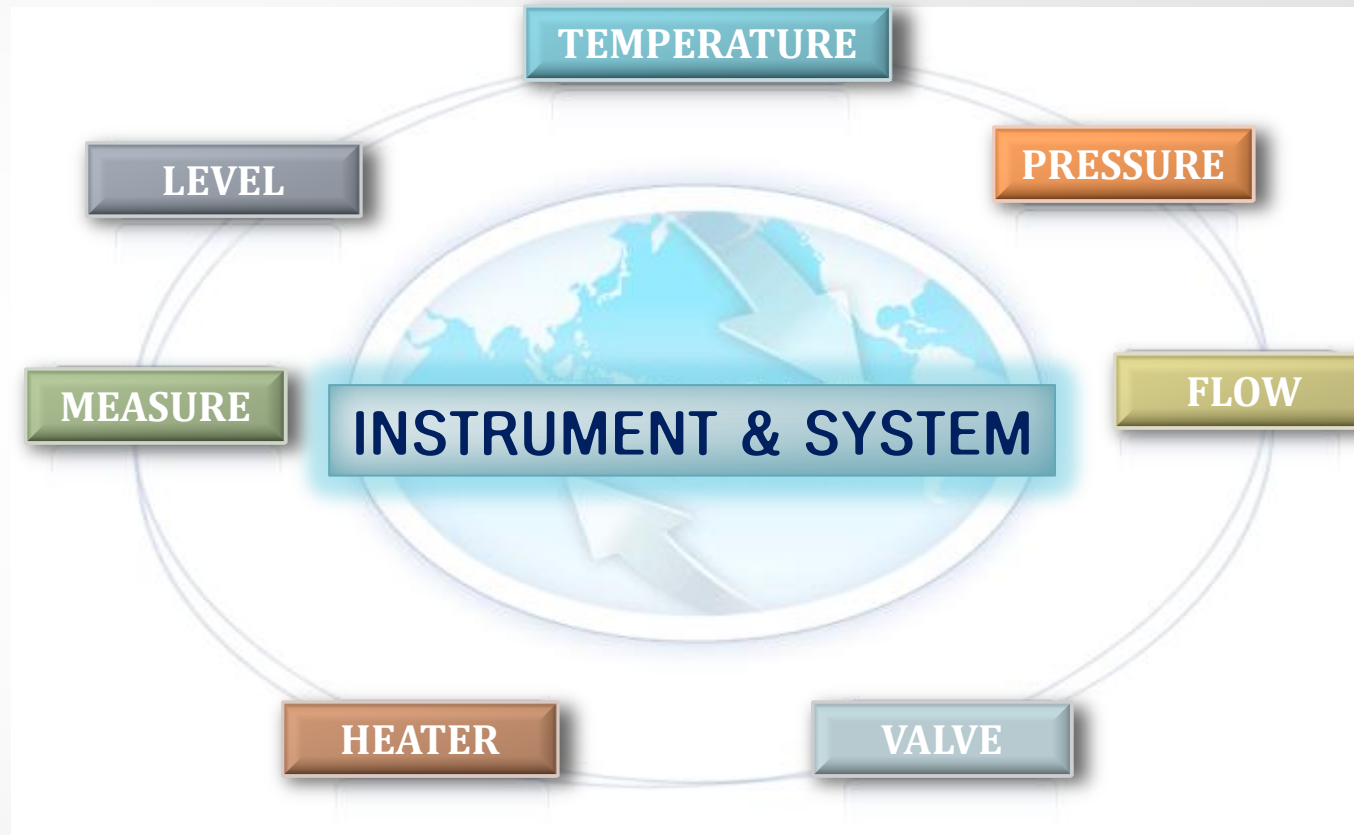*2014. 10. 22 Established a RESEARCH INSTITUTE*

2015. 08. 13 Registration of Patent OXIGEN SENSOR VERIFIER

2015. 10. 21 Certification of RISK ASSESSMENT

CERTIFICATES

SALES SECTOR

SHEATH THERMOCOUPLE

PICTURE

INFORMATION

- Product : SHEATH THERMOCOUPLE

- Category: THERMOCOUPLE

- Description : SHEATHED THERMOCOUPLE can measure a wide range of temperature from -200 ℃ to 1300 ℃.

- Feature:

  This product can be made THERMOCOUPLE K, J, R, T, N, etc. Selecting length, thickness, material etc. you can customize and use this product.

- Model : ISL-1000 Series

- This product is available for the overall sector automotive, steel, pharmaceutical, shipbuilding, chemical, etc.

THERMOCOUPLE

PICTURE

INFORMATION

- Product : THERMOCOUPLE

- Category : THERMOCOUPLE

- Description : With thermocouple type K , it is designed to measure range -200~1300℃.

- Feature:

  Material of tube : SUS310S OR SUS316 OR SUS304

  Diameter of : 21.7Φ OR OTHER

  Length of : 100~3000mm

  KS CLASS B

- Model : ISLS-2000 Series

- This product is available for the overall sector automotive, steel, pharmaceutical, shipbuilding, etc.

RESISTANCE THERMOMETER SENSOR

PICTURE

INFORMATION

- Product : RTD

- Category : R.T.D(RTD)

- Description : It is a PT 100 device and can measure the -200 ~ 300 ℃. by applying a circular connectors It is easy to remove and attach .

- Feature :

  Material of protection : SUS316L OR SUS304

  Diameter of : 3.2Φ OR OTHER

  Length of : 50~1000mm

  Connection screw : PT1/2 OR OTHER

   KS CLASS A

- Model : ISL-4000 Series

- This product is available for the overall sector automotive, steel, pharmaceutical, shipbuilding, chemical, etc.

THERMOWELL

PICTURE

INFORMATION

- Product : THERMOWELL

- Category : THERMOWELL
- Description : This product can be protection for RTD sensor and thermocouple.

  Model : ISL-6500 Series

- This product is available for the overall sector automotive, steel, pharmaceutical, shipbuilding, chemical, etc.

18, Chasang-ro, 8beon-gil, Uichang-gu, Changwon-si, Gyeongsangnam-do, Korea Postcode : 51402
TEL : +82-55-238-1072   FAX : +82-55-238-1062 Homepage : www.eisl.co.kr

LEVEL SWITCH

PICTURE

INFORMATION

- Product : LEVEL SWITCH

- Category : LEVEL SWITCH
- Description : This product can be used 2 points contact output or control of many points contact.

- Feature :
  Contact type : NORMAL OPEN
  Number of HIGH, LOW and more
  LENGTH : 100~2000 mm
  MATRIAL : SUS304 OR SUS 316
  CONNECTION : 2" SOCKET and other
  PIPE DIAMETER : 8.0~13.0Φ

  Model : ISLS-600, 700 Series

- This product is available for the overall sector automotive, steel, pharmaceutical, shipbuilding, chemical, etc.

CARBON PROBE

PICTURE

INFORMATION

- Product : CARBON PROBE

- Category: OXYGEN SENSOR
- Description : This product is a compact, lightweight and simple.
- Feature: High-temperature carburizing heat treating and endothermic gas generators.
  High accuracy and repeatability.
  High efficiency, low maintenance.
  Compatible with all carbon controls.
- Probe Out diameter: 21.7Φ
- Probe length: 600mm / 700mm
- Probe material: SUS310
- Probe Connection Fitting : PT1"

- Model : CP-600-X1 / CP-700-X1

  It is control furnace atmospheres and generator gas supplies over the full range of carburizing hardening applications.

SAT UNIT FOR CARBON PROBE

PICTURE

INFORMATION

- Product : SAT UNIT FOR CARBON PROBE

- Category: OXYGEN SENSOR
- Description : This product is a compact, lightweight and simple.
- Feature: It features a repeatability and accuracy when comparing measurements. The response to all carbon control system with a short preparation time and low maintenance.

- Probe Out diameter: 12.0Φ
- Probe length: 700mm
- Probe material: INC600
- Probe Connection Fitting : PT1/2"

- Model : O2SAT+S / O2SAT-X1

  This equipment is used to verify parts of the control system of carbon in the carburizing heat treatment.

WIRELESS MELTING THERMOMETER

PICTURE

INFORMATION

- Product : WIRELESS MELTING THERMOMETER

- Category: MELTING THERMOMETER
- Description : MELTING THERMOMETER can be measured 0 ~1700℃ temperature range.

- Feature :
  Input type : R, S, K
  Holder material : SUS316 OR SUS304
  Wasting Thermocouple length:
  150~1500mm
  Wireless area : 500M
   Maximum Each Thermometer: 8ch

- Model : ISL-WLT SERIES

- This product is available for the overall sector steel melting, aluminum melting process.

18, Chasang-ro, 8beon-gil, Uichang-gu, Changwon-si, Gyeongsangnam-do, Korea Postcode : 51402
TEL : +82-55-238-1072   FAX : +82-55-238-1062 Homepage : www.eisl.co.kr
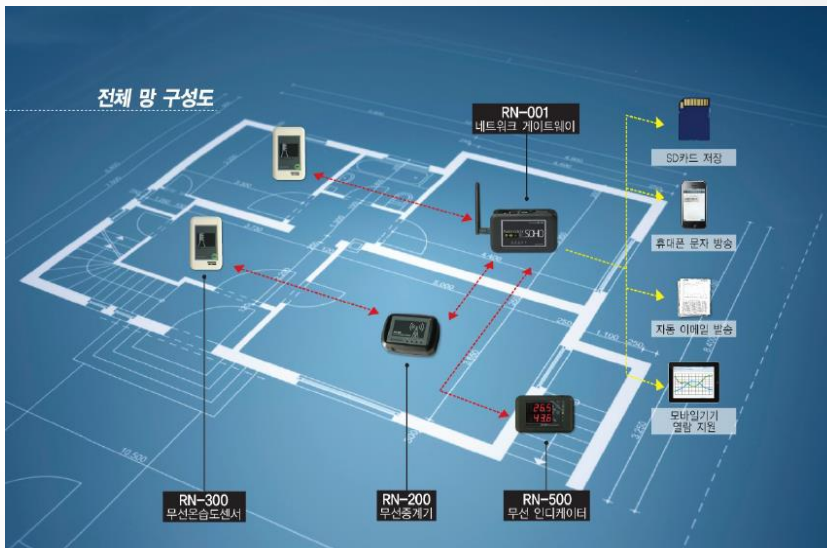
DATA ACCQUISITION UNIT

PICTURE

INFORMATION

- Product : DATA ACCQUISITION UNIT

- Category: DATA ACCQUISITION

- Description:
  The multi point analog data collection and alarm device

- Feature: This product's features are a real-time monitoring and data collection performed at the same time, while the real-time alarm information is available, it is easy and simple to install and configure.

- Model : ISL-SYS-DAQ

- This auto parts plant product is designed for the heat management system. Can be used for any purpose other than.

WIRELESS DATA MONITORING SOLUTION

PICTURE	INFORMATION

- Product :
  WIRELESS DATA MONITORING SOLUTION

- Category : WIRELESS DATA MONITORING
- Description : It is real time wireless data monitoring system in industry the scene.

- Feature: Support a variety of communication methods, 2.4GHz wireless communication, Industrial MODBUS TCP, HTTP for Web Server , Remote Setup TELNET.

- Model : RN001, RN300, RN910, RN200, RN500

- Professional monitoring software.
  Cloud Monitoring Services.
  Automatic report output .
  PC Type Monitoring Software

CONTROLLER

PICTURE	INFORMATION

- Product : PROGRAM CONTROLLER, MULTI-
-               LOOP CONTROLLER

- Category: CONTROLLER
- Description This product is a new Digital Controller and Program Controller and Multi-Loop Controller.

- Model : KP1000, DB1000, ST500, TEMP2500, 3500, 2400, P100, NANODAC, mini8 etc

- These products are the domestic production can be applied in many fields such as semiconductor, steel, pharmaceutical, electronics, appliances, machinery, metal, ceramics, chemicals, papermaking Plant, food products.

ANALOG/HYBRID RECORDER

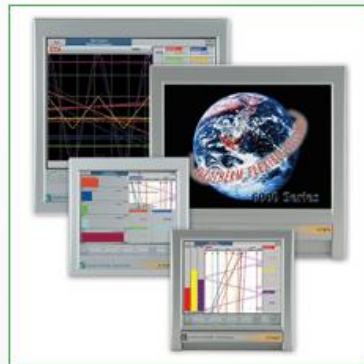| PICTURE	INFORMATION

- Product : ANALOG RECORDER, HYBRID –
-                  RECORDER

- Category: PAPER RECORDER
- Description This product is a new Digital Hybrid Recorder and Analog Recorder and High Speed Multi Large Recorder.

- Feature :
  Recorder Size: 100mm, 180mm, 250mm
  External Memory : SD Card 2GB (Hybrid Type)
  Input Channel : 6ch ~ 48ch

- Model : AH4000, AL4000, LE5000, EH3000, EL3000

-
- These products are the domestic production can be applied in many fields such as semiconductor, steel, pharmaceutical, electronics, appliances, machinery, metal, ceramics, chemicals, papermaking Plant, food products.

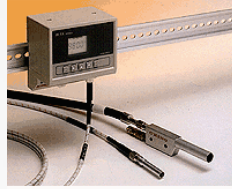# GRAPHIC RECORDER

PICTURE

INFORMATION

- Product : GRAPHIC RECORDER

- Category: PAPERLESS RECORDER
- Description This product is a new Graphic Recorder and set the system,.

- Feature :
- Recorder Size: 100mm, 180mm
- Graphic Display : 5.2" TFT LCD, 12.1" TFT LCD
- Internal Memory : 64MB, 96MB
- External Memory : CF Card 4GB, SD Card 2GB
- Input Channel : 6ch ~ 48ch

- Model : KR2000, KR3000, SDR100, 6100A,
-                6180A

- These products are the domestic production can be applied in many fields such as semiconductor, steel, pharmaceutical, electronics, appliances, machinery, metal, ceramics, chemicals, papermaking Plant, food products.
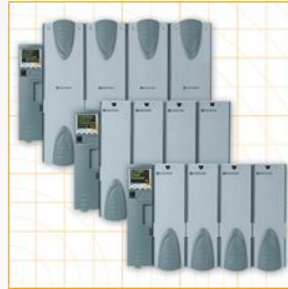
INFRARED THERMOMETER

PICTURE	INFORMATION

- Product : INFRARED THERMOMETER

- Category: INFRARED THERMOMETER
- Description: This product is a non-contact thermometer and set the system, can measure a wide range of temperature from -20 ℃ to 3000 ℃.

- Model : IR-CA, IR-CS, IR-FA, IR-SA, IR40, IR20

- These products are the domestic production can be applied in many fields such as semiconductor, steel, pharmaceutical, electronics, appliances, machinery, metal, ceramics, chemicals, papermaking Plant, food products

POWER REGULATOR

PICTURE	INFORMATION

- Product : POWER REGULATOR

- Category: SCR
- Description: These products are new Digital Power Regulator and set the system. These product s are True Power Control is Possible.

- Feature :
  Control Type: Phase Angle and Zero Cross Switching.
  Controlled Phases: 1Φ / 3Φ
  Maximum Voltage: 500V, 690V
  Maximum Current: 800A ~ 4000A

- Model : EPower, Epack, JT, JS, JU, STR Series

- These products are the domestic production can be applied in many fields such as semiconductor, steel, pharmaceutical, electronics, appliances, machinery, metal, ceramics, chemicals, papermaking Plant, food products.

18, Chasang-ro, 8beon-gil, Uichang-gu, Changwon-si, Gyeongsangnam-do, Korea Postcode : 51402
TEL : +82-55-238-1072   FAX : +82-55-238-1062 Homepage : www.eisl.co.kr

PRESSURE TRANSMITTER

PICTURE

INFORMATION

- Product : PRESSURE TRANSMITTER

- Category: PRESSURE
- Description: This product is a Precision pressure Transmitter and set the system, succeeding the current accuracy : ±0.2% , ±0.05%

- Model : MS-P100, MSP-200, MS-P500, VPRQ,
- VPRT, EXVPM Series

- These products are the domestic production can be applied in many fields such as semiconductor, steel, pharmaceutical, electronics, appliances, machinery, metal, ceramics, chemicals, papermaking Plant, food products.

FLOW METER

PICTURE	INFORMATION

- Product : FLOW METER

- Category: FLOW
- Description: This product is a Digital Flow meter and set the system, succeeding the current accuracy : $\pm$2.5%, $\pm$0.5%

- Model : KOI, KMT, KOT, KOM, MH Series

- These products are the domestic production can be applied in many fields such as semiconductor, steel, pharmaceutical, electronics, appliances, machinery, metal, ceramics, chemicals, papermaking Plant, food products.
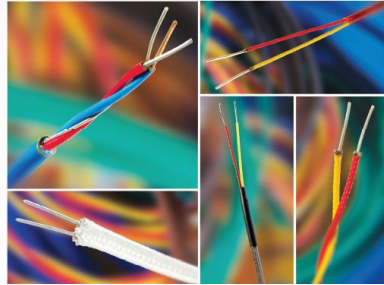
HEATER

PICTURE	INFORMATION

- Product : ELECTRIC HEATER

- Category: HEATER
- Description: This product is a Industrial Electric Heater and Immersion Heater and Cartridge Heater and KANTHAL's Strip & Wire Heater.

-

- These products are the domestic production can be applied in many fields such as semiconductor, steel, pharmaceutical, electronics, appliances, machinery, metal, ceramics, chemicals, papermaking Plant, food products.

18, Chasang-ro, 8beon-gil, Uichang-gu, Changwon-si, Gyeongsangnam-do, Korea Postcode : 51402
TEL : +82-55-238-1072   FAX : +82-55-238-1062 Homepage : www.eisl.co.kr

THERMOCOUPLE WIRE

PICTURE

INFORMATION

- Product : THERMOCOUPLE WIRE and EXTENTION WIRE

-

- Category: WIRE & CABLE
- Description: This Product is a High-Accuracy and High-Temperature thermocouple wire and Extension wire.

- Feature
- Element wire: AWG36 ~AWG18
- Insulation material : PVC, TEFRON, Glass Fiber, Ceramic Fiber

- These products are the domestic production can be applied in many fields such as semiconductor, aerospace, steel, pharmaceutical, electronics, appliances, machinery, metal, ceramics, chemicals, papermaking Plant.

PARTNERS

18, Chasang-ro, 8beon-gil, Uichang-gu, Changwon-si, Gyeongsangnam-do, Korea Postcode : 51402
TEL : +82-55-238-1072   FAX : +82-55-238-1062 Homepage : www.eisl.co.kr

18, Chasang-ro, 8beon-gil, Uichang-gu, Changwon-si, Gyeongsangnam-do, Korea Postcode : 51402
TEL : +82-55-238-1072   FAX : +82-55-238-1062 Homepage : www.eisl.co.kr