



ISO 9001:2008



GOST



ACCREDITED
CALIBRATION CENTER



ELECTRONIC INDUSTRY
ASSOCIATION



QUALITY ASSOCIATION



ENDÜSTRİYEL OTOMASYON
SANAYİCİLERİ DERNEĞİ
AUTOMATION INDUSTRY
ASSOCIATION

Elimko SENSORS



RELIABLE NAME IN SENSORS



STRAIGHT TYPE THERMOCOUPLES

Straight type thermocouples with metal or ceramic protection tubes widely used in processes from -200°C to $+2320^{\circ}\text{C}$ are produced in accordance with DIN 43710 and IEC 584 standards.



ANGLE-TYPE THERMOCOUPLES

Generally used in the temperature measurement of salt baths and metallic solutions, angle-type thermocouples are designed to protect the thermocouple head against heat and corrosive gases over the bath.



INSET TYPE THERMOCOUPLES

In inset type thermocouples, thermocouple element wire is placed in a primary protective tube, and it is integrated with the ceramic terminal block. This unit is called the inset, which is placed in a second protection tube. When there is a failure in the thermocouple, the inset can be changed without changing the outer tube.



PORTABLE THERMOCOUPLES

Portable thermocouples have many applications, and are widely used in surface and environment temperature measurement. Elimko product range includes a wide variety of portable thermocouples.



EXHAUST THERMOCOUPLES

According to their place of use, exhaust thermocouples are produced in straight or angle types. Cable connection point can be placed under spring protection, and they are generally produced with fixed cable.



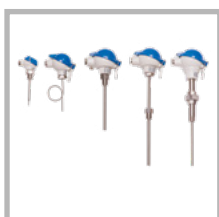
SMALL INSERT TYPE THERMOCOUPLES

This type of thermocouples are generally used in mild processes. Produced with fixed cables, they are installed by spring compression, using bayonet cap and nipple.



MINERAL-INSULATED THERMOCOUPLES

As they are produced in bendable-flexible and small diameter types, MI thermocouples are widely used in portable applications. In high temperature applications they can be used as cable, and are ideal for under-car temperature monitoring in long tunnel furnaces.



RESISTANCE THERMOMETERS

Resistance thermometers are widely used in various processes from -200°C to $+850^{\circ}\text{C}$, and preferred at especially low temperatures as they are much more accurate than the thermocouples. Standard types are used up to 500°C and special types up to 850°C .



COMPENSATION CABLES

Connections between thermocouples and instruments are made with special cables called thermocouple compensation cables. For all kinds of thermocouples, compensation cables with different insulations are available.



E-RLT-100 SERIES RADAR LEVEL SENSOR

E-RLT-100 series Radar Level Sensors are designed to measure the level of material in silos. 24 GHz K-Band FMCW Radar provides high resolution reliable measurement with narrow beam microwave transmission. Optional two-wire 4-20mA electrical interface with optional HART output simplifies installation and reduces maintenance costs. The antenna options with different lengths can be adapted to various process conditions.



TEMPERATURE-HUMIDITY TRANSMITTERS

E-RHT-10 is a microprocessor based transmitter that uses a single chip relative humidity and temperature sensor module. The sensor includes two calibrated micro sensors for relative humidity and temperature. Transmitter is mounted in a waterproof plastic case and it is available with or without display unit.



MOTORIZED TYPE LEVEL SWITCHES

E-MSS-110 series level switches are used to sense lower, upper and intermediate levels of solids in silos, tanks and other vessels. If the level of the material has not reached the switch, blades rotate freely; when the level reaches the switch, the material blocks the blades and right then the motor closes the relay.



TEMPERATURE TRANSMITTERS

It is a complete unit with E-KC-100 series converter installed on thermocouple or resistance thermometer heads. It needs 24VDC supply and operates as two-wire 4-20 mA temperature transmitter.



THERMOWELLS AND FLANGES

Thermowells offer protection from high pressure, aggressive and corrosive environments. They can be designed to accept Thermocouples, RTD's or filled systems. These thermowells could be produced flanged or screwed construction types.



CAPACITIVE TYPE LEVEL SWITCHES

E-KSS-100 series level switches operate according to capacitance change principle. Available in rigid bar and flexible electrode in different lengths, they are widely used in level sensing of solids and liquids.



CONDUCTIVITY TYPE LEVEL SWITCHES

E-CSS-100 series level switches have a wide range of application in sensing liquids. This series of switches can be used in conductive liquids, and are preferred in tanks and other vessels to sense lower, upper and intermediate levels of liquids.



DIGITAL WOOD MOISTURE CONTENT METERS

E-AR-20 Series Digital Wood Moisture Content Meter are designed by using new generation micro-controllers. conforming to IEC 668 and programmable easily. E-AR-20 is used at such industrial benches as wood process & coating, chipboard production.



ACCREDITED TEMPERATURE CALIBRATION CENTER

Elimko Temperature Calibration Center is accredited by TÜRKAK according to the TS EN ISO/IEC 17025 Standards. Various kinds of temperature instruments, thermocouples, resistance thermometers and other temperature sensors are calibrated in this laboratory with a low measurement uncertainty.



UNIVERSAL-ADVANCED CONTROLLERS

E-200 Series universal-advanced controllers are designed by using microcontrollers. The unit has dimensions of 96x96 mm, conforming IEC 668 and advanced programming facilities to provide PID, motorized valve with position feedback, external set point, remote set point, digital inputs, auto-tune option. Communication port is RS 485 mod bus.



FLOW INDICATOR-TOTALIZERS

With a high accuracy, microprocessor based, programmable flow indicator-totalizer are widely used in many kinds of flow applications. Linear or square-root option and batch control features are available. (96x96 mm.)



FILTER TIMER

E-FT-10 device is a programmable timer with pressure control, designed for use in filter cleaning systems. The device consists of a control unit and output cards controlled by the control unit. There are 8 cards on the main unit and there are up to 16 outputs on each output card. The devices may alert the failures of any solenoid connected to its outputs with an alarm relay to the user.



E-PR-110 PAPERLESS RECORDER & CONTROLLERS

E-PR-110 series are paperless recording and control devices designed by using new generation micro controllers. 5.7" touch-sensitive LCD screen, 144x144 mm panel dimensions, 8 GB memory, 3, 6, 9, 12, 15, 18, 21, 24-channel universal inputs.



E-PR-200 PAPERLESS RECORDER & CONTROLLERS

E-PR-200 series are new generation paperless recording and control devices designed by using innovative design and programmable input and output modules, 288x288 mm panel dimensions, 12.1" touch-sensitive LCD screen, 8 GB memory, up to 54 channels of universal inputs.



UNIVERSAL DATA LOGGERS/SCANNERS

E-680 Series are advanced new generation micro-controller based industrial instruments, dimensions of 96x192 mm, conforming IEC 668. Universal inputs and outputs of the device can be programmed easily by the user. The instrument can be connected to a PC via RS 485 mod bus. Standard units have 8, 16, 24, 32 channels for alarm and data logging purpose.



CONVERTERS

These are instruments used in all areas of industry to convert signals of sensors or transducers into current or voltage with standard and non-standard ranges. Converters are programmable, configuration could be done by PC using a software program. RS 485 is optional.



HEAD-MOUNTED TEMPERATURE CONTROLLERS

E-KC-100 Series & E-KC-200-H Series head-mounted temperature, two-wire converters are new generation microcontroller based industrial instruments in plastic case. These converters can be used to convert the thermocouples, resistance thermometers to standard 4-20 mA. E-KC-100 Series are conventional types and E-KC-200-H Series are HART protocolled types.

Elimko is operating in the area of AUTOMATIC CONTROL since 1976. Early after its establishment, Elimko started to serve the Turkish industry through the production of indicators, recorders, controllers and sensors for process control systems.

In the following years, Elimko established complete automatic control systems and placed its signature to many "firsts" in Turkey. It is a leader company especially in Computer Controlled Raw Material Preparation Plants with numerous references. With the experience gained, Elimko has built Automatic Control Systems outside Turkey with lots of Contractor Companies.

Today, majority of the reliable machine manufacturers selling their products outside Turkey also prefer Elimko instruments and sensors, which have ISO 9001 QUALITY CERTIFICATE and CE MARK.

Starting in 1985, Elimko has undertaken the representations of foreign companies which are leaders in their fields. These representations include AFTER SALES TECHNICAL SUPPORT.

Thus, Elimko has become the RELIABLE NAME IN AUTOMATIC CONTROL WORLD. With the manufacturing of Solid Flow Rate Measurement and Dosing Elements, Weighing Units, Level Sensors and similar instruments, it is now filling in the important gaps in the Turkish industry in a DILIGENT, SERIOUS and CONSISTENT manner.

ELIMKO MEETS YOUR REQUIREMENTS IN AUTOMATIC CONTROL

- 1500 m² head Office, 9500 m² factory,
- Around 150 staff, 25 process engineers,
- Experienced design, research and development group,
- DILIGENT AND SERIOUS manufacturing group,
- Outstanding plants built by the system group using state-of-the-art technology,
- Slogan of NOT HAVING ANY CUSTOMER PROBLEMS after sales,
- Around 40 agents for serving customers all over Turkey,

- Sales & Marketing Group's approach to make the MOST SUITABLE, MOST ECONOMIC, MOST ACCURATE selection using engineering experience in a warm commercial relation,
- Wide use of computers in purchase order-shipment-stocking-accounting-personnel and similar areas to achieve speed and accuracy in a modern working environment
- Training group's efforts to provide courses on BASICS OF AUTOMATIC CONTROL and other topics to train technical personnel.

MAKES ELIMKO A LEADER ORGANIZATION

Elimko



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