

ISO 9001:2008



ACCREDITED
CALIBRATION CENTER



ELECTRONIC INDUSTRY
ASSOCIATION



QUALITY ASSOCIATION



ENDÜSTRİYEL OTOMASYON
SANAYİCİLERİ DERNEĞİ
AUTOMATION INDUSTRY
ASSOCIATION



ENDÜSTRİYEL FIRIN SANAYİCİLERİ
ve İŞ ADAMLARI DERNEĞİ



UNİVERSİTESİ VE SAĞLIK BİLİMLERİ ENSTİTÜSÜ
MİLLÎ SAĞLIK BİLİMLERİ ENSTİTÜSÜ



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.



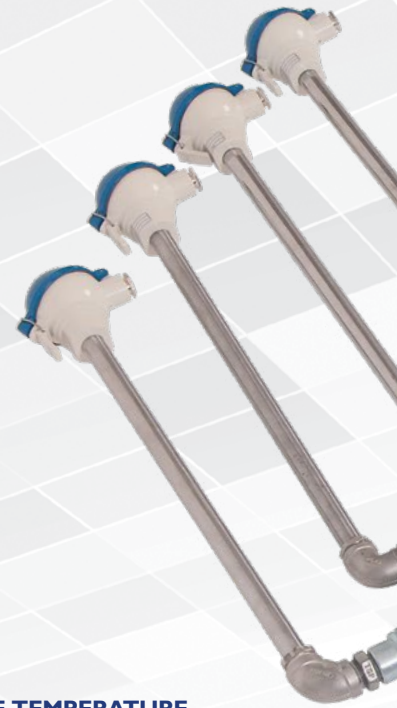
RESISTANCE THERMOMETERS

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.



MINIATURE TEMPERATURE TRANSMITTER

E-MST-27 Series Miniature temperature transmitters are products designed using microprocessors; they are used in industry integrated with temperature sensors together their transmitters. Especially in the food industry, they convert temperature values into standard 4-20 mA signals. The configuration of the transmitter unit can be easily configured by the user as desired by USB interface via PC.



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.



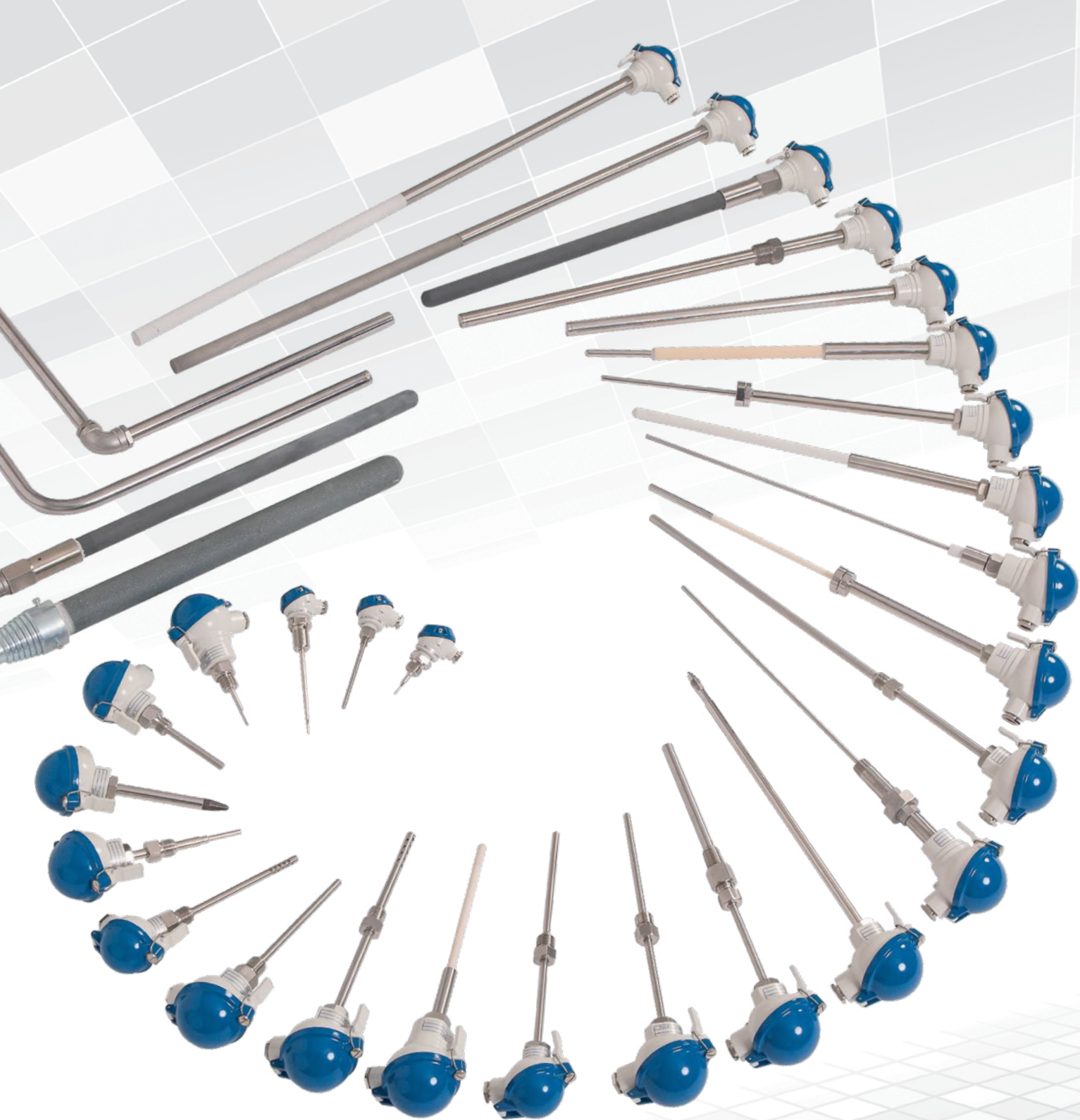
CAPACITIVE TYPE LEVEL SWITCHES

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.



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.



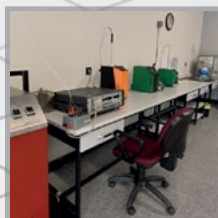
DIGITAL WOOD MOISTURE CONTENT METERS

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.



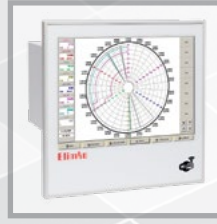
E-PR-110 PAPERLESS RECORDER & CONTROLLERS

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-220/230 SERIES UNIVERSAL-ADVANCED CONTROLLERS

E-220/230 Series universal process control devices are designed for on/off and PID control using an advanced new generation micro-controllers. These are 96x96 mm industrial devices. E-220 Series have TFT display, E-230 Series have TFT touchscreen, conform to the IEC/TR 60668 standard, and the universal inputs and outputs are easily programmable by the user.



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.



E-690 SERIES UNIVERSAL DATA LOGGERS/SCANNERS

E-690 Series universal data loggers/scanners are advanced new generation micro-controller based industrial instruments. The universal inputs and outputs of the instrument can be easily programmed by the user. E-690 Series indicate measurements has 6, 12, 18, 24, 30 or 36 channels universal input, 2 common alarm relays and independent alarm relays up to 6, 12, 18 pieces, with its I/O cards easily plugged in or out by users.



E-KC-100, E-KC-101, E-KC-200-H SERIES HEAD MOUNTED CONVERTERS

E-KC-100, E-KC-101 and E-KC-200-H Series head mounted temperature converters are electronic units designed by using microcontroller, inside plastic roller, capable of being installed inside thermocouple or resistance thermometer head. They convert the thermocouple and resistance thermometer values into a standard 4-20mA current signal in all areas of the industry. E-KC-200-H converter can be configured with the HART configurator or a special PC software available from Elimko.



E-48P, E-72P, E-96P UNIVERSAL ADVANCED CONTROL DEVICES

"P" series devices are included in our production series with their NEW and MODERN display, advanced control algorithms and specially developed PID software. This series devices are designed using a new generation micro controller with on/off, PID and other control methods.



E-700 CONVERTER

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.



E-48P Series are produced in 48x48 mm, E-72P Series 72x72 mm, E-96P Series 96x96 mm panel types. The set value and measured value can be monitored from -1999 to 9999 on the two 4-digit displays of the devices, and can be used in general purpose inputs (T/C, R/T, mV, mA).



E-770, E-780, E-790 CONVERTERS

E-770, E-780 and E-790 series signal converters are slim type industrial devices. These panel, rail-mounted serial converters, designed using a micro-controller in compliance with IEC/TR 60668 standards, are especially preferred in industrial applications due to their small size. It is used in all areas of the industry to convert the signals received from the sensor (transducer) units into standard or special current signals and transmit them to measurement and control devices.



Complying with IEC/TR 60668 norms, "P" series devices are industrial devices in which inputs and outputs can be easily programmed by the user.

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

- With its 30.000 m² NEW FACILITY located in Ankara Chamber of Commerce (ASO) 2nd Organized Industrial Zone, Temelli/Ankara,
- Around 160 staff, 27 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



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