

# 2024



## PRODUCT CATALOGUE

**Muka**  
**Teknik**

Mühendislik San. ve Tic. Ltd. Şti.

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



# About Us



It was founded to address the requirements for accurate measurement control devices, process control equipment, and spare parts necessary in processes that arose with the growing prevalence of industrial automation applications.

Our company, Process Measurement Devices, ensures to fulfill the requirements of industrial facilities in various sectors including Mining, Food, Water, Steam, Pharmaceuticals, Construction Chemicals, Energy, Petroleum, Paper, Petrochemicals, Chemical, and Industrial Fluid Technologies through collaborations with top Manufacturers and Importers in the industry. It offers a diverse range of products like Control Devices, Automation, and Switchgear Products, predominantly distributing European brands to assist its customers.

*Quality and Experience Generate Value...*



## SENSORS FOR LEVEL

- Non-Contact Radar Level Sensors
- Radar Level Sensing
- Ultrasonic Level Sensing
- Hydrostatic Level Sensors
- Capacitive Level Sensing
- Magnetic By-Pass Level Indicators
- Level Sensors for Differential Pressure



## SWITCHING LEVELS

- Vibrating Fork Type Level Switches
- Capacitive Level Switching
- Conductor Level Switching
- Microwave Level Sensors
- Motorized Pedal Level Switches
- Float Level Sensors
- Stainless Steel and Plastic Miniature Level Sensors
- Side-mounted Level Switches



## PRESSURE DETECTORS

- Pressure Transmitters
- Differential Pressure Transmitters
- Pressure Transmitter Diaphragms
- Ex-Proof / ATEX Pressure Transmitters
- Pressure Transmitter Indicators
- Pressure Transmitters for Melting Processes
- Switches for Vacuum Systems
- Manometers



## FLOWMETERS AND FLOW SWITCHES

- Electromagnetic Flow Measurement
- Turbine Flowmeters
- Ultrasonic Flowmeters
- Floating Flowmeters
- Vortex flow meters
- Thermal Mass Flowmeters
- Metal Tube Flowmeters
- Helical Flowmeters
- Channel Flowmeters
- Oval Gear Flowmeters
- Coriolis Flowmeters
- Flow Switches



## TEMPERATURE SENSORS

- Resistance Thermometers - PT100
- Thermoresistance Core
- Special Resistance Thermometers
- Thermoresistance
- Standard or Custom Thermocouples
- Platinum Thermocouples
- Portable Thermocouples
- Mineral Insulated Thermocouples
- Non-Contact Temperature Sensing



## HUMIDITY, TEMPERATURE GAUGES, AND GAS SENSORS

- Infrared Food Thermometer with Immersion Probe
- Infrared Thermometer
- Meter for Ambient Temperature and Humidity
- Cotton Hygrometer
- Meter for Soil Moisture
- Temperature Humidity Transmitter with Plastic Probe and Filter
- Temperature Humidity Transmitter with Stainless Probe and Filter
- Temperature / Humidity Carbon Dioxide Transmitter
- Gas Detection System Utilizing Catalytic (Pellistor) Sensor
- Infrared Sensor Gas Detector
- Electrochemical Gas Sensor



## ANALYTICAL INSTRUMENTS

- pH and ORP Analyzers
- Dissolved Oxygen Analyzers
- Conductivity Measurement
- Fluid Calibration
- Electrodes / Probes
- Ozone Detector
- Chlorine Meter
- Gas Meter
- Hydrogen peroxide



## LINEAR SCALES AND POTENTIOMETERS

- Linear Potentiometers
- Industrial Potentiometers
- Non-Contact Linear Scales
- Linear Scales with Digital Output
- Digital Coordinate Reading Systems



## ENCODER

- Absolute Encoder
- Incremental Encoders
- Linear Encoder Steps
- Absolute Linear Encoders
- Rope Encoders
- Programmable Encoders
- Encoder Wheels
- Apparatus for Encoder Connection



## INDUSTRIAL SENSOR TECHNOLOGY

### Proximity Sensors

- Inductive Sensors
- Capacitive Sensor
- Magnetic Field Detectors
- Accessories for Proximity Sensors



### Photoelectric Sensors

- Photoelectric sensors of the throughput type.
- Photoelectric Sensors of the Reflective Type
- Photoelectric Sensors
- Fiber Optic Sensors
- Sensor Comparison: Contrast vs. Color Sensors
- Distance Sensors
- Safety Detectors
- Photoelectric Fork Sensor and Fork Type Sensors



### Industrial Image Processing

- Three-Dimensional Image Sensors
- Two-Dimensional Image Sensors
- Laser Profile Sensors
- Vision Systems
- Event Cameras



### Ultrasonic Sensor

- Photoelectric Sensor Throughput
- Reflective and Reflective Type Sensors
- Dual Plate Sensors
- Accessories for Ultrasonic Sensors



## INDUSTRIAL SENSOR TECHNOLOGY

### Rotary Encoders

- Absolute Encoder
- Incremental Encoders
- Rope Measurements
- Linear Encoders



### Positioning Systems

- Inductive Positioning Systems (PMI)
- Sensors for Distance Measurement
- Position Coding System (WCS)
- Linear Positioning Using Cameras
- Camera-Based Line Tracking (PGV)
- Accurate Positioning PHA



### Tilt and Acceleration Sensors

- Inclinometers
- Accelerometers
- Inertial Measurement Systems



### Vibration Monitoring

- Vibration Detectors



### Accessories for Connectivity

- cables
- Connectors
- Distributors



## RELAY NETWORKS

- Industrial Relays
- PCB Tip Relays
- Slim Tip Relays
- Rail and Panel Type Relays
- Digital Tipping Calculator
- Relay Timers
- Rail and Slim Mount Solid State Relays
- Compact and Uniform SSRs



## DEVICES FOR MONITORING ENERGY

- Airline Energy Monitoring
- Temperature Sensor Energy Measurement Module
- Flow Meter Energy Measurement Module



## SECURITY ITEMS

- Security Measures
- Safety Relays
- Switch Safety
- Rope Safety Switches
- Mechanism for Hazardous Area Doors
- Laser Security Scanning
- Safety Light Barrier And Multi-Beam Product
- Single Beam Safety Sensor
- Emergency Stop Switch
- Safety door switch with locking protection
- Safety Mats





## RELAY FOR PROTECTİNG AGAINST LEAKAGE CURRENT

- Analog Protection Relay (10mA – 30A) / 230 VAC
- Digital Protection Relay (10mA – 30A) / 230 VAC
- Analog Residual Current Relay with Harmonic Filter



## TOROIDAL CURRENT TRANSFORMERS

- 35 mm Toroidal Current Transformer
- Toroidal Current Transformer with a 70 mm diameter.
- 120 mm Toroidal Current Transformer
- 210 mm Toroidal Current Transformer
- Toroidal Current Transformer with a 310 mm diameter.



## ENERGY ANALYZER AND MULTİMETER

- Energy Analyzer Panel Type
- Rail Type Energy Analysis
- Panel Meter – Voltage–Current–Frequency Multimeter
- Single-Phase Energy Meter
- Three-Phase Energy Meter



## POWER SUPPLIES

- Power Supplies with Through-Hole Design
- Power Supply Indicators
- Rail-Mounted Power Supplies



## DEVICES FOR MEASUREMENT CONTROL

- Humidity and Temperature
- Guides
- Devices for Process Control
- Controllers of Steps
- Indicators of Process
- Digital Potentiometer
- Digital Pulse Oximeters
- Digital Tachometer
- counters



## MECHANICAL SENSORS AND LIMIT SWITCHES

- Enclosed Metal Limit Switch
- Plastic Enclosure Limit Switch
- Compact Limit Switch
- Limit Switch Wheel Type
- Special Type Limit Switch
- Temperature Switches



## CONTROL PANELS

- Operator Panel Touch Interface
- Supervisory Control and Data Acquisition Systems
- Industrial Personal Computer
- Sysmac Platform



## PLC SYSTEMS

- Motion Control Programmable Logic Controller
- PLC Automation
- Fundamental PLC Model
- High-capacity and rapid PLC
- Compact Tip Programmable Logic Controller
- Modular Programmable Logic Controller



## MONITORING AND CONTROL RELAYS

- Relay Monitoring and Control
- Single and Three Phase Monitoring Relay
- Liquid Level
- Limit Switch Wheel Type
- Special Type Limit Switch
- Temperature Switches



## ELECTRIC MOTORS

- Induction Motors
- Asynchronous Motor Brakes
- Permanent Magnet Motors
- Servo Motors
- Gearless Synchronous Motors
- Electromechanics - Motor Drives



## SERVO MOTORS AND DRIVERS

- AC Brake Servo Motors
- Servomotors without braking systems
- Servo Motor Controllers
- Servo Motor Gearboxes



## DEVICES FOR CONTROLLING ENGINE SPEED

- Driver Components
- AC Drive with V/F control
- AC Drive with Vector Control
- High-Performance AC Drive
- AC Drive Controlled by Fan
- Pump Control Drive
- Low Harmonic Drives
- Elevator Usage
- Brake Systems
- Regenerative Drive



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