

Measuring

Earning Trust

Above All



CITY ANCHOR



TESTING LABORATORY



PRESSURE



TEMPERATURE



LINEAR



ELECTRICAL



MASS

INSTRUMENTATION TRADING



PRESSURE



TEMPERATURE



LEVEL / FLOW



PORTABLE METER



CONTROLLERS



INSTRUMENTATION FITTINGS & VALVES



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GEFRAN
BEYOND TECHNOLOGY

60 YEARS IN BUSINESS
LARGEST MANUFACTURING IN THE WORLD

GLOBAL VALUE
DISTRIBUTED
THROUGHOUT
THE WORLD

- 8 PRODUCTION PLANTS
- 13 SALE OFFICES
- 660 EMPLOYEES
- 134 MILLION EUROS (Turnover*)
*2022

To be trailblazers in new technology advancements we typically invest about 5% of our total turnover in research and development activities.

Engineers, designers and software developers represent 14% of the Italian workforce.

Collaboration with national and international research centers and universities guarantees a continuous transfer of knowledge and represent one of our success factors.

MAIN APPLICATION SECTORS



PLASTIC



MOBILE
HYDRAULICS



INDUSTRIAL
FURNACES



METALWORKING

SENSORS

INDUSTRIAL PRESSURE

Transducers to measure the pressure of fluids (liquid or gaseous) in various industrial applications. Also available in ATEX intrinsic safety versions for use in potentially explosive atmospheres.



MELT PRESSURE

The transducers for pressure measurement at high temperatures (up to 538 °C) are available with different filling systems or with patented IMPACT fluid-free technology. They are the ideal solution for the most common extruded materials such as plastic, polyurethane foams or expanded foams, food products or two-component resins



STRAIN & FORCE, LOAD CELLS

A unique range of transducers used for controlling the tension of plastic film, paper or fabric, including unique strain sensors for temporary or static measurements of force or compression / tensile load.

CANopen



TEMPERATURE

A complete range of resistance thermometers and thermocouples that can be fully customised according to the type of application, environmental conditions, temperature range and required accuracy



CONTROLLERS, INDICATORS AND POWER CONTROL

CONTROLLERS AND PROGRAMMERS

A complete range of PID controllers with front panel installation, for the precise control of process variables such as temperature, pressure, force, position and humidity. Fully scalable and available in both single loop and multi-loop versions, these controllers satisfy the most varied application needs also thanks to advanced logic and mathematical functions and connectivity features, including remotely.

Modbus RTU Modbus TCP



INDICATORS AND ALARM UNITS

Instruments dedicated to all the applications that require a clear and precise display of the process variables, capable of detecting alarm thresholds with visual indications and digital signalling outputs

Modbus RTU Modbus TCP



POWER CONTROLLERS

A large portfolio of modular Power Controllers up to 600A, for heating processes control with electric heaters like Resistive / Infrared (SWIR) / MoSi2 / SiC / Graphite and Transformer.

Gefran power controllers integrate the main Fieldbus communication protocols in addition to the diagnostic and predictive maintenance functions.



EtherNet/IP Modbus RTU Modbus TCP Modbus RTU Modbus TCP EtherCAT CANopen
ODVA PI SCCR RMB SYM 100KA / 600V

SOLID STATE RELAYS WITH/WITHOUT HEATSINK

Available in sizes from 15 to 120 A, with integrated diagnostics and an ultra compact and particularly strong design. Ideal for a wide range of electric heating applications

SCCR RMB SYM 100KA / 600V (NFCI) IO-Link



POSITION - MAGNETOSTRICTIVES

Thanks to the magnetostrictive HYPERWAVE technology, the primary element detects the position without mechanical contact, eliminating wear and use-related problems. Extremely versatile and available with different strokes, both with profile mechanics for external mounting and with rod mechanics for installation inside a cylinder, these sensors represent the ideal solution for position measurements in the most varied applications.



SSI IO-Link CANopen Modbus RTU Modbus TCP HYPERWAVE HIGH PERFORMANCE MAGNETOSTRICTIVE TECHNOLOGY

POSITION - POTENTIOMETERS

Sensors with potentiometric technology are typically used in the industrial or geotechnical world for the measurement of linear or angular displacement and they allow to maintain the detection of the stroke, therefore of the position, even in the absence of power.



POSITION - TWIIST

TWIIST is the innovative multivariable sensor that can measure position, linear acceleration, angular acceleration and temperature at the same time. All thanks to a patented system for the position measurement based on the 3D Hall effect. With environmental protection, shock and vibration resistance this product represents an ideal measurement solution in various industrial and mobile hydraulics sectors.



POSITION - ROTARY, INCLINOMETERS, LINEAR BY WIRE

Very resistant position transducers, designed for measuring angular positions, inclination or considerable lengths, suitable for use outdoors and in particularly harsh conditions.

CANopen SAE J1939 E1



Tekon Electronics is an European brand based in Portugal, specialized in development and manufacture of innovative wireless sensors technology.

The brand develops and manufactures wireless solutions for measurement and monitoring applications, focusing on trending topics, such as Internet of Things and Industry 4.0. A skilled R&D team and a planned manufacture process are cornerstones of a full product development strategy.

In addition to the already developed products, we can create tailored solutions based on each project characteristics.

Discover the Tekon Electronics' solutions portfolio, since it can be the perfect choice for new ventures in IoT and Industry 4.0.

SOLUTIONS

DUOS WIRELESS SENSORS

DUOS wireless sensors are suitable for the automation of temperature, humidity, and CO2 variables. With a long battery life, these solutions support a temperature range from -40 to +60 degrees Celsius, and can be connected to an external digital input or a cable adapter in order to adapt to different probe connection configurations.



UNIVERSAL IOT GATEWAY

Universal IoT Gateway offers edge computing capabilities. You can use Node-RED, making it easy to connect industrial technologies to the IoT. It is also possible to safely gather data from Tekon Electronics wireless solutions and third-party devices. The Gateway sends alarms and notifications, has a web interface, MQTT connectivity, and acts as a data logger. You can also take benefit from its GSM capabilities, which can be useful in remote areas.



WIRELESS SERIAL MODULE

With the WSM101 wireless serial module, it is possible to convert physical serial data transmission connections into wireless connections. The solution has a RS485 interface and can operate as a gateway or a repeater, thus merging simple data transmission and easy configuration.



MAIN APPLICATION SECTORS



FOOD



PHARMA



PROCESS
INDUSTRY



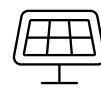
HVAC



BUILDING
AUTOMATION



AGRO-INDUSTRY



RENEWABLE
ENERGY



COLD CHAIN

PLUS WIRELESS TRANSMITTERS

An easy-to-use system that allows wireless reception and transmission of any process variables that could be transformed into an analogue signal. PLUS wireless transmitters were designed to monitor 4..20 mA / 0..10V signals, providing a secure communication, without the requirements of a complex wired solution.



TEKON IOT PLATFORM

Tekon IoT Platform is a complete software solution for managing organisation's data that helps companies stay connected to processes, and improve profitability, allowing users to see everything in one place. One of the main benefits of the platform is the possibility to set alarms and notifications to detect unexpected events and deviations. Users can benefit from real time data visualization, improved data management, accurate reporting and an increased return on investment.



WIRED TRANSMITTERS

Tekon Electronics develops wired temperature transmitters with the main input technologies, such as PT100, thermocouple and Modbus RTU. This type of solutions is divided between two categories: in head and DIN rail transmitters. All of them ensure high precision and accuracy,



						
UTILITY PRESSURE GAUGE	ABS / BLACK CASING PRESSURE GAUGE	SS BRASS PRESSURE GAUGE	FULL SS PRESSURE GAUGE	PHENOLIC GAUGE	TEST PRESSURE GAUGE	DIFFERENTIAL PRESSURE GAUGE
						
GROUT PRESSURE GAUGE	ELECTRICAL CONTACT GAUGE	CAPSULE GAUGE	DIGITAL PRESSURE GAUGE	REFRIGERANT PRESSURE GAUGE	DIAPHRAGM SEAL GAUGE	ECB DIAPHRAGM SEAL
						
SYPHON	COMPACT PRESSURE SWITCH	DIGITAL PRESSURE SWITCH	GAUGE COCK	SNUBBER & TEST PLUG	OVER-PRESSURE PROTECTOR	SUBMERSIBLE PRESSURE TRANSMITTER
						
MECHANICAL PRESSURE SWITCH	PRESSURE TRANSMITTER	PRESSURE / TEMPERATURE SAFETY VALVE	BRASS SAFETY RELIEF VALVE	STAINLESS STEEL SAFETY RELIEF VALVE	MINI SAFETY RELIEF VALVE	AIR FILTER REGULATOR

TEMPERATURE

						
BI-METAL TEMPERATURE GAUGE	V-LINE THERMOMETER	THERMOWELL	EVERY ANGLE THERMOMETER	EXHAUST GAS PYROMETER	DIGITAL TEMPERATURE GAUGE	WIRE TYPE PT100 / THERMOCOUPLE
						
TEMPERATURE SENSOR/TRANSMITTER	TEMPERATURE CONTROLLER	TEMPERATURE TRANSMITTER	GLASS THERMOMETER	HEAD TYPE PT100 / THERMOCOUPLE	CAPILLARY TYPE THERMOMETER	CONCRETE THERMOMETER
						
TEMPERATURE & HUMIDITY TRANSMITTER	TEMPERATURE TRANSMITTER	PEN TYPE THERMOMETER	INFRARED THERMOMETER	TEMPERATURE HUMIDITY DATA LOGGER	4 CHANNEL TEMPERATURE DATA LOGGER	DIGITAL THERMOMETER
						
CHART RECORDER	WALL THERMOMETER	HANDHELD / WALL MOUNT THERMO HYGROMETER	COOKING OIL THERMOMETER	FREEZER THERMOMETER	WET & DRY HYGROMETER	CHILLER / FREEZER ANALOG THERMOMETER

 MANIFOLD VALVE	 DISTRIBUTION VALVES	 MINI VALVE	 HIGH PRESSURE BALL VALVE	 POPPET CHECK VALVE	 INLINE CHECK VALVE	 DOUBLE BLOCK AND BLEED VALVE
 ADJUSTABLE OVERLOAD PROTECTOR	 MULTI PORT NEEDLE VALVE	 BLEED VALVE	 FILTER	 FLUSHING RING WITH BALL VALVE	 HIGH PRESSURE TEE	 AIR HEADER
 COMPRESSION FITTINGS	 CONDENSATE POT	 FLUSHING RING	 MONO FLANGE	 TRI CLAMP FITTINGS & VALVE	 COOLING TOWER	 CHECK VALVE





ELECTRICAL METERS & PORTABLE METERS

 PORTABLE APPLIANCE TESTER	 PHASE ROTATION METER	 DIGITAL MULTIMETER	 DIGITAL CLAMP METER	 SOUND LEVEL METER	 WOOD MOISTURE METER	 LASER DISTANCE METER
 FREQUENCY METER	 TACHOMETER / R.P.M. METER	 4-20 mA PROCESS METER	 POWER FACTOR METER	 WATTMETER	 VOLTMETER	 AMMETER
 ALCOHOL DETECTOR	 HEAT STRESS METER	 VANE ANEMOMETER	 DIGITAL LUX / LIGHT METER	 MULTI GAS DETECTOR	 AIR QUALITY METER	 TACHOMETER
 VIDEO BORESCOPE	 COATING THICKNESS GAUGE	 ULTRASONIC THICKNESS GAUGE	 INSULATION TESTER	 STOP WATCH	 REFRACTOMETER	 HYDROMETER
 TDS/pH/ORP/CONDUCTIVITY PORTABLE METER	 HYDRAULIC PRESSURE TEST KIT	 HYDRAULIC NITROGEN ACCUMULATOR CHARGING KIT	 BAROMETER	 TANK DIP GAUGE	 SHORE DUROMETER	 PORTABLE COMBUSTIBLE GAS LEAK DETECTOR

LEVEL SWITCH / TRANSMITTER / INDICATORS

						
ROTARY PADDLE LEVEL SWITCH	CAPACITIVE LEVEL SWITCH	SIDE MOUNT LEVEL SWITCH	MAGNETIC FLOAT LEVEL SWITCH	MAGNETIC FLOAT LEVEL TRANSMITTER	HYDROSTATIC LEVEL TRANSMITTER	MECHANICAL FUEL TANK LEVEL INDICATOR
						
FLOAT LEVEL SWITCH	WATER LEVEL DETECTOR (SOUNDER)	PLASTIC FLOAT LEVEL SWITCH	FLOAT AND BOARD LEVEL INDICATOR	MAGNETIC LEVEL INDICATOR	LEVEL INDICATOR	KRUIFGER SENTRY LEVEL GAUGE

LINEAR AND PRECISION MEASURING INSTRUMENTS

						
DIAL INDICATOR	BORE GAUGE	DIGITAL DEPTH GAUGE	DIAL CALIPER	VERNIER CALIPER	MICROMETER	TUBULAR INSIDE MICROMETER
						
VERNIER DEPTH GAUGE	DIAL DEPTH GAUGE	INSIDE MICROMETER	DIGITAL RADIUS GAUGE	GAUGE BLOCK SET	HEIGHT GAUGE	DIGITAL PROTRACTOR
						
CRANK SHAFT DEFLECTION GAUGE	OUT SIDE MICROMETER	DIAL THICKNESS GAUGE	DIAL INDICATOR WITH MAGNETIC STAND	BRIDGE CAM GAUGE	FEELER GAUGE	CLINOMETER
						
UNIVERSAL BEVEL PROTRACTOR	CONTOUR PROFILE GAUGE	V-WAC GAUGE	COMBINATION SQUARE SET	TAPER GAUGE	MEASURING TAPE	TRY SQUARE
						
TELESCOPIC GAUGE	OUTSIDE ANVIL MICROMETER	HI-LO GAUGE	WELD FILLET GAUGE	CIRCUMFERENCE METER	BARCOL HARDNESS TESTER	NEEDLE PULLER

STANDARD WEIGHT & WEIGHING SCALE

						
STANDARD WEIGHT	PLATFORM WEIGHING SCALE	TABLE-TOP WEIGHING SCALE	FLOOR WEIGHING SCALE	DIGITAL LUGGAGE SCALE	CRANE SCALE	PALLET TROLLEY SCALE



Tuning Fork Level Switch



Capacitance Level Switch



Sanitary Intelligent Level Switch



Float Level Switch



Cable Float Level Switch



Thermal Dispersion Flow Switch



Air Hammer (Air Knocker), Piston Vibrator



Rotary Paddle Level Switch



Paddle Type Level Switch



Capacitance Admittance Level Switch



Guided Wave Radar Level Transmitter



Radar / Ultrasonic Level Transmitter



Electromechanical Level Measuring System



Diaphragm Valve



Pneumatic Roller Turbine Vibrator



Safety Cable & Conveyor Misalignment Switch



Magnetostrictive Level Transmitter



By-Pass Level Transmitter



Pressure Level Transmitter



Admittance Level Transmitter



Magnetic Float Level Transmitter

FineTek provides process measurement technology solutions for level, flow, pressure, and temperature measurements in various industries worldwide for the last 30 Years.



www.fine-tek.com



- * Ultrasonic Flow meter
- * Electromagnetic Flow meter
- * Open channel flow meter (Ultrasonic/Doppler)
- * Coriolis Mass Flow meter
- * Turbine Flow meter
- * Vortex Flow Meter
- * Woltman Water meter

CONTROL UNITS



MULTIPARAMETRIC CONTROLLER



MULTIPARAMETRIC PLUG & PLAY



SINGLE / DOUBLE CHANNEL



pH / ORP CONDUCTIVITY

PHOTOMETRIC ANALYSERS



4001 SERIES ANALYSER



PHOTOMETRIC COLOUR



PHOTOMETRIC CHEMICAL ANALYSER



PHOTOMETRIC UV METER

SAMPLER SYSTEM



THERMOSTAT-CONTROLLED STATIONARY SAMPLER



SAMPLING HEAD FOR WALL MOUNTING



COMPACT PORTABLE SAMPLER



PORTABLE COMPACT SAMPLER



THERMOSTAT-CONTROLLED SELF-EMPTYING STATIONARY SAMPLER

SENSORS



S401 - S406 - S408 SERIES OF PH & ORP ELECTRODES



S401 DIFF/N - S406 DIFF/N DIFFERENTIAL DIGITAL PH AND ORP SENSORS



S411 SERIES OF CONDUCTIVE MEASURING CELLS



S411 IND SERIES OF INDUCTIVE CONDUCTIVITY CELLS



S411 IND SERIES OF INDUCTIVE CONDUCTIVITY CELLS



S461 LT DIGITAL TURBIDITY SENSOR FOR LOW CONCENTRATIONS



S480 COLOUR DIGITAL COLOUR PHOTOMETRIC SENSORS



S461 ST DIGITAL TURBIDITY AND SUSPENDED SOLIDS SENSOR



S461 S DIGITAL SUSPENDED SOLIDS SENSOR



S470/N I.S.E. AMMONIUM AND NITRATE SENSOR, DIGITAL



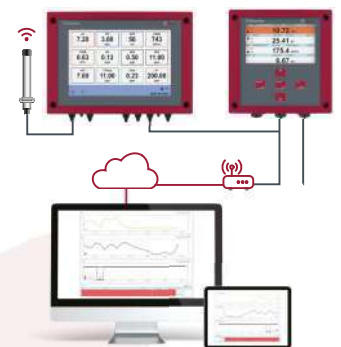
S480 DIGITAL UV PHOTOMETRIC SENSORS



S480 COLOUR DIGITAL COLOUR PHOTOMETRIC SENSORS



CHEMITEC WEB REMOTE MANAGEMENT SYSTEM



Chemitec
WATER MONITORING SOLUTIONS

PRINCIPAL SUPPLIERS



PRESTIGE CUSTOMERS



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