

# KCControls

Application Solutions From Choice



Thank you for taking the time to look at this overview publication, we hope that this brochure will give you a brief insight to the products and services we are able to offer to our customers. We also hope that this will give you some assurance that if you have any industrial measurement, instrumentation or control application requirements, the KC Group of companies is a good place to start. Being an independent group we are able to react in a timely manner, be responsive to customers and provide that level of customer service we believe is not always present in our competitors.

KC Controls (UK) LLP provide measurement and control instrumentation, along with fittings, valves, manifolds, filters, panels and a full range of complementary products. Having provided industrial and environmental solutions for nearly 30 years, our wealth of application knowledge enables us to assist a variety of customers in a range of industries. This includes Oil & Gas, Petrochemical, Water & Waste, Food & Beverage and Pharmaceutical.

Founded in 1986, we pride ourselves on providing high quality products with the support of excellent customer service both pre and post order. This ethos has allowed KC Controls to become a significant player in the supply chain of our End User clients as well as a partner to Project Management companies and original equipment manufacturers.

We hope that you will find this overview brochure of interest, and that this will lead you to consider KC Controls as a partner in your supply chain - The Directors

We are proud to be part of the supply chain to these companies...



... and would like to assure you of our full attention at all times, regardless of whether you are an existing client or simply starting out your journey with the KC group

Part of the KC Controls business strategy is to work extremely closely with our partners to ensure that our customer service remains at a high level. In many cases, our internal systems are connected directly to our partner's networks to gain timely access to current technical information, up to date pricing and manufacturing data.

This allows us to have all the information our customers require at our fingertips. In addition, with direct lines to our partners, management teams and support personnel we ensure that an order placed with KC Controls is technically correct and delivered on time.

## Fittings, Filters, Solenoids, Tubing & Valves



Parker Hannifin originally selected KC Controls as a Partner to take their instrumentation products to market and to provide customers with technical assistance, support and of course access to stock. KC Controls is now well established as a service provider and stockist for Parker and our range continues to be extended to include new products. Currently the instrument range includes A-Lok & CPI fittings, valves such as ball, plug, needle, metering, check and relief, tubing, balston filtration, solenoid, lucifer and skinner valves, manifolds, double block and bleed devices and many more. We continue to grow with additional products from Parker which include other innovative quality devices.

## Instruments and Control



ABB Measurement Products have a long and established relationship with KC Controls as a 'First Tier Channel Partner' and we are pleased to offer ABB's high quality products to our client base. The Instrumentation range which includes, pressure, temperature, controllers, flow, analytical and temperature products among many others, is based on a history of instrument knowledge stemming from their historical product lines of Kent, Taylor, Fisher & Porter, K-Tek, Sensycon and other known quality brands.

## Medium to High Pressure Fittings, Valves & Tubing



Here at KC Controls, we stock a wide range of Parker Autoclave products, which are manufactured to the highest standard and they are made to withstand pressures of over 100,000 psi. Parker Autoclave Engineers has long been established as the world leader in high pressure fluid handling components for the chemical/petrochemical, water jet cutting, research, and oil & gas industries.

## Photometric Applications



Process photometer instrumentation has long been an area of expertise for KC Controls and has gained recognition in many applications in the food, pharmaceutical, water & waste and other industries. Sigrist works closely with KC Controls to ensure that niche measurements such as fluid colour, oil in water detection, low level turbidity, dust monitoring and even oil mist in the work place are engineered to give the best possible results and with technology that starts to eliminate the on-site costs associated with these measurements.

## Clamp on Ultrasonic Flow Measurement



In many flow applications, intrusion into the pipe will give rise to health and safety concerns or may simply just be impractical. KC Controls can solve these application issues with our expertise in 'clamp-on' technology and the Katronic product range, utilising a range of fixed applications and portable devices to measure flow where other technologies are not practically available. The range also lends itself to applied by KC Controls for proving flow systems, observing remote flow performance and in heat & energy applications to manage cost in utilities and processes.

## Fluorescence Measurement



KC Controls continually monitor new technologies and product offering to ensure we can offer our customers a solution that may not have been available in the past. Slick Sleuth is one such device and offers a unique capability to measure oil or hydrocarbons on the surface of water. Based on Fluorescence technology, the Slick Sleuth range gives early warning of process issues or leaks and can also be used for monitoring environmental conditions.

KC Controls ensure that our products are selected to provide our customers with the best possible application solutions. This takes into account the application itself, current and future requirements of the plant and client, life cycle management and commercial criteria, such as investment cost and delivery time scales.

We understand that all instrumentation is an investment for our customers and we like to ensure that each item is selected to meet the expected performance criteria, as well as endeavouring to deliver solutions that meet regulations, current engineering standards and are an asset to the plant.

### Analytical - Liquids

- Absorption Meters
- pH, Conductivity & Dissolved Oxygen Sensors & Transmitters
- Dissolved Organics
- Dust Monitors
- Fluorescence Meters
- Oil in & Oil On water
- Product Monitors
- Turbidity Systems
- Water Analysers



### Controllers & Recorders

- Programmable Logic Controllers
- Multiloop Controllers
- Single Loop Controllers
- Videographic Recorders
- Circular Chart Recorders
- Strip Chart Recorders



### Filtration

- Gas & Sample Filters
- Instrumentation Filters
- Process Filters



### Fittings

- A-Lok
- CPI
- Cylinder Connections
- Instrument Pipe & ISO Conversion
- MPI
- Phastite Tube Connectors
- PFA Tube Fittings
- UltraSeal
- VacuSeal Fittings
- Welded Fittings



### Flow

- Clamp-On Ultrasonic
- Coriolis Mass Flow
- Thermal Mass Flow
- Solids & Powder Mass Flow
- Electromagnetic
- Flow Computers
- Integral Orifice
- Primary Flow Devices (Differential Pressure)
- Variable Area Flow Meters
- Vortex & Swirl



## Analytical - Gas

Combustion Gas Analysers  
 Integrated Cabinet Solutions  
 Rack or Wall Mounted Gas Analysers



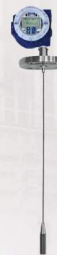
## High Pressure Fittings, Valves & Tubing

Fitting & Valve Selection  
 Tubing Selection Guide  
 Manifold & Relief Valve Guide  
 Cone & Thread Tooling For Use of Point  
 Selective Products For Sour Service  
 Air Driven High Pressure Liquid Pumps



## Level

Buoyancy  
 Capacitance  
 Laser  
 Magnetostrictive  
 Radar  
 TDR  
 Thermal Dispersion  
 Ultrasonic  
 Vibrating Level



## Pressure

Absolute Transmitters  
 Differential Transmitters  
 Gauge Transmitters  
 Measurement Accessories  
 Multi Variable Transmitters  
 Pneumatic Transmitters  
 Pressure Gauges  
 Remote Seals  
 Safety-Critical Transmitters



## Temperature

Cable Thermometers and Compact Thermometers  
 Field Mounted Temperature Transmitters  
 Head Mounted Temperature Transmitters  
 High Temperature Thermometers  
 Infrared Measurement Devices  
 Process Industry Head Thermometers  
 Rail Mounted Temperature Transmitters  
 Sanitary Application Thermometers  
 Temperature Sensor Accessories



## Valves

Check  
 Flanged Ball  
 Manifolds  
 Process  
 PTFE  
 Regulators  
 Sliding Gate  
 Solenoid  
 Steam Traps  
 Two & Three Piece Ball



KC Controls Service ensures that we care for all of our customers and their assets, not just from supply but for the full and long life of our products and systems. We offer high quality instrumentation panels, focusing on standard and bespoke application solutions. Following the KC philosophy of working closely with our partners, we are able to offer a wide range of systems not normally available from a single supplier.

Utilising our partners' network of service engineers based throughout the United Kingdom alongside our own team of instrumentation and electrical engineers, KC Controls Service is positioned to offer assistance and support in all aspects of measurement and control.

Instrument Enclosures, Control Panels, Analytical Shelters, Sampling Systems and ATEX Enclosures are all within our scope of supply and expertise. In addition, Control Systems and some small Skid Packages can be offered to meet customers' requirements.



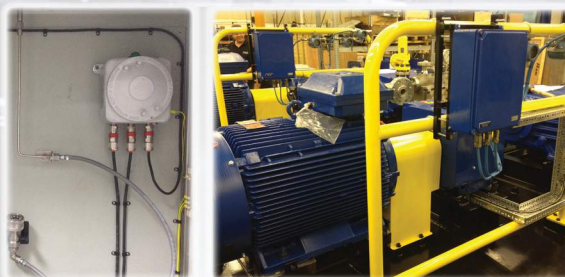
**Instrument Panels & Enclosures**



**Analytical Shelters & Sampling Systems**



**Control Systems & Software**



**ATEX Enclosures & Skid Packages**



Spares, Calibration and Commissioning Support are just a small part of the service we can offer, whether you require a single calibration of an instrument or a full service and Support contract for the plants' life and beyond. Our service package is flexible to your needs.

Our PLC systems cover Design, Build, Programming, Installation & Commissioning of control panels etc. We have also been appointed as a certified System integrator for InduSoft Web Studio®, therefore being able to provide the automation building blocks to develop HMIs, SCADA systems and embedded instrumentation solutions.

We offer both service and support for products in need of care and attention, whether they have been supplied by KC Controls divisions or already installed on your plant by others. Ask us about our Commissioning or Installation packages for new products and what else we can assist you with.



### PLC & SCADA Systems



### Commissioning



### Calibration & Repair



### Maintenance



For a full range of products and services on offer log on to :  
[www.kccontrols.co.uk](http://www.kccontrols.co.uk)

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