

PRODUCT HIGHLIGHTS

We are highlighting some of the more commonly used products from our manufacturers. If more information about these, or any other products is required please do not hesitate to contact us.

Manufacturers we supply products from include: Endress + Hauser, Schenck Process, IFM, Fluke, Weg, Shorrock Automation, WIKA.



Variable speed drives: Zest supplies Weg VSDs from 0.18kW to 6MW from single phase 220VAC to three phase 4.16kV, as well as soft start drives. VSDs are far more efficient at reducing the speed of drives than mechanical methods which translates to reduced energy costs. The VSDs can easily be fitted into a system to give automatic speed control, an application of which would be in conjunction with a belt-weigher and feeder to control the feed rate of a belt..

Coriolis Flowmeters: One of the most versatile mass flowmeters is the coriolis meter. It can measure just about any liquid or gas, using a universal measuring principle. It measures mass flow, temperature and density allowing volume flow, solid contents and concentrations to be calculated. It is not affected by the flow profile, needs no inlet or outlet runs and typically has a high accuracy ($\pm 0.1\%$). Fluids that can be measured include; toothpaste, fuel, vegetable oils, gases, latex and alcohol. An application is in custody transfer.



Memosense: This is a family of probes for measuring pH, ORP, turbidity, conductivity and dissolved oxygen from Endress and Hauser. Using an inductive interface, worries about moisture getting into the unit is no longer an issue. Probes can easily be replaced in the field by non-specialised staff and the probes calibrated in the laboratory, improving accuracy. They also include predictive maintenance and the sensors have a lifetime of up to 40% longer than previous sensors.

Liquiphant density computer: A brand new product, the FML621 is designed to be used in conjunction with the Liquiphant M, which uses vibronics to measure level, and a temperature probe to provide reliable online density measurement at a glance. Applications include measuring concentration, quality statements and purity indications. When combined with other instruments additional parameters such as mass or mass flow can be given.



Adderley (Pvt) Ltd.

Process Control Equipment and Automation Solutions