

Log the Loop

The EL-USB-4 from **Lascar Electronics** is the latest data logger to be added to the popular EL-USB range. The EL-USB-4 is the world's first standalone 4-20mA data logger with direct USB interface and provides a cost effective and easy to use solution for the process industry's data logging needs.

The unit is supplied with Windows compatible software which is used for configuration of the unit as well as download and graphing of the data. With the logger connected to a USB port, the software enables the user to set the required sampling rate (from 1 second), custom calibration, high and low alarms, and the logger start time. Once configured, the EL-USB-4 is removed from the computer; the cap is replaced, and the 4-20mA signal to be measured connected to the logger via two screw terminals. At this point logging can commence.

Two LEDs indicate when the unit is logging, when an alarm level has been reached, when the battery needs replacing or when the device has reached full memory capacity (32,000 readings). To download data, the user reconnects the unit to the USB port. The supplied software is then used to download and graph the data from the unit. Data, saved in .txt format, can be also imported to many industry standard spreadsheet packages for customised analysis.

Reader Enquiry 312



3-in-1 versatility with the launch of the new LSV 48

Atlas Copco Tools, a leading manufacturer of ergonomically designed power tools, has just launched their new LSV 48 angle grinder, offering real financial savings from the ergonomic and lightweight design. With 30% more power than a conventional vertical grinder, and 300/0 lighter, this powerful combination equates to 300/0 increased productivity.

Tests have shown that the LSV 48 has up to 60% higher material removal capabilities than many vertical grinders, thus reducing process times. It is kinder to hands too, ensuring wrists are kept straight due to the ergonomic angled handles, making it easier to transmit feed-force to the grinding disc, while reducing the risk of carpal tunnel syndrome.

Other key benefits of the new LSV 48 grinder include: A height of just 78mm over the spindle ensures the LSV 48 is capable of getting into even tighter workspaces that may have previously been out of reach. This is 55% lower than a conventional vertical grinder. A built-in auto-balancer to keep vibrations below 2.5m/s², providing a smooth action to help reduce the occurrence of vibration white finger. Grease-lubricated and fully sealed gears provide high durability, with grease changes required once per year for single shift usage, or twice yearly for multi-shift.

The high level of safety of the LSV 48 is further underlined with its overspeed protection, whereby if the free speed should exceed the nominal speed, overspeed protection is activated to eliminate the risk of wheel explosion.

Reader Enquiry 345

HYDAC INTERNATIONAL Contamination Sensor CS1000 series



- Measurement of solid particle contamination in hydraulic & lubricating fluids.
- Max Pressure 450 Bar.
- Attractive cost-performance ratio.
- Cost effective pro-active maintenance.
- Optional 6 digit display with pivot function.
- Compact and rugged design with protection of up to IP69K
- Warning in the case of critical machine status.

Service Technology / Filter Systems
Hydac Technology Ltd, Woodstock Road
Chaffrey, Oxfordshire, OX7 3ES

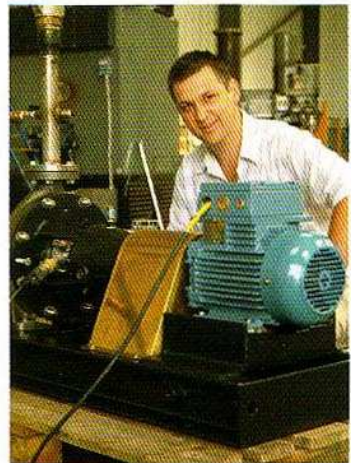
Tel 01608 811211 Fax 01608 811259
www.hydac.com Email: info@hydac.co.uk

Not simply form filling...

ISO9001 - not simply form filling, but a unique opportunity for continuous business improvement

When **Amarinth**, a world-leading manufacturer of pumps and associated equipment, needed to become ISO9001:2000 Quality Assured it was seized upon as an opportunity for business improvement. Unlike many companies who view the whole process as a form filling exercise, Oliver Brigginsshaw, Managing Director of Amarith, explains how they have driven tangible business benefits out of the process and why he is now looking forwards to gaining accreditations in other areas of their business.

Amarinth was founded in 2002 and immediately built a strong relationship with an important client, Spirax Sarco Limited. Although Spirax had confidence in Amarith's capabilities, processes and procedures, they were unable to process invoices through their auto-payment system unless Amarith were ISO9001:2000 certified. The auto-payment system reduces the payment time of invoices, which was a major benefit to Amarith at that time. Without this, Spirax would have to



carry out a full supplier audit, which was time consuming for both companies. For a rapidly growing company, Amarith realised that this issue would come up over and over again as they worked with new clients.

Oliver Brigginsshaw decided that the only way forwards was to gain ISO9001:2000 accreditation. Rather than seeing this as a form-filling exercise though, he decided to use it as a spring-board for business improvement. With a background in other manufacturing organisations that had implemented ISO9001:2000, Oliver had first hand experience of where a lot of time had been spent for little gain, as he explains:

"In many cases companies see this as a box ticking exercise. They rush around at audit time to catch up on non-conformity issues and create an audit trail that will keep the auditors happy. This doesn't add any value to the business as they are dealing with old issues rather than current ones. We wanted to ensure that any work undertaken would add real value to the company today."

Amarinth have seen real business improvements from their approach to gaining ISO9001:2000 certification. It's a lesson to all those companies who see the process as a time consuming, form filling exercise and a drain on their company's resources.

Reader Enquiry 304

Specialist cleaning equipment

QJS, specialist cleaning equipment supplier, are pleased to announce the introduction in the UK of VacuWaste Suction Cleaning Equipment specifically designed with options for vacuum cleaning all types of industrial waste including fine, hazardous, flammable and even explosive materials.

Totally non domestic, VacuWaste equipment has particular advantages throughout industry including food and drinks, pharmaceuticals, chemicals, petroleum, timber, paper, mining and minerals.

Special features available include: ATEX certified machines for zones. Electrical or air operated. Pocket filters with external shaker mechanism for fine dust. Anti-static equipment. Advanced 'HEPA' filters for hazardous dust. ATEX certified machines for zones 1, 2, 21&22. Drop off tanks for ease of emptying. Epoxy coated or stainless steel. Full range of application kit. Optional separator tanks.

Reader Enquiry 330

