

New Transmitters Reduce the Cost of Hazardous Area Temperature Measurement

An innovative new range of HART® enabled, ATEX & IECEx certified, loop powered indicating temperature transmitters with large easy to read displays will, in many applications, significantly reduce the cost of temperature measurement in hazardous areas by eliminating the need for Zener barriers or galvanic isolators.

The field mounting Type n certified BA474ND has a galvanically isolated intrinsically safe input allowing it to be installed in Zone 2 or 22 and to be directly connected to a temperature sensor in any gas or dust hazardous area, all without the need for a Zener barrier or



galvanic isolator. Similarly, for displaying a hazardous area temperature in a safe area, the BA474D has intrinsic safety associated apparatus certification allowing direct connection to a temperature sensor in any gas or dust hazardous area, again without Zener barriers or galvanic isolators. Conventional intrinsically safe and non-certified field and panel transmitters complete the range.

The HART® Communications Foundation have verified that all models comply with the latest HART protocol standard revision 7, including diagnostics that monitor the health of both the transmitter and the sensor. Transmitter configuration may be performed via the HART® digital communication or by the transmitter push buttons.

All models have a large five digit display supplemented by a bargraph and can be supplied with a loop powered display backlight, which does not require additional field wiring. Optional galvanically isolated dual alarms are also available.

The field mounting models have a robust IP66 GRP enclosure with a separate terminal compartment and the panel mounting models are protected by an IP66 front panel.

As with all BEKA products, these new transmitters are supplied calibrated to customer requirements free of charge and have a three year guarantee. For customers wishing to evaluate a temperature transmitter on site, a three month free sale or return evaluation service is available.

Familiar face retires

In May 2009 sales director Alec Robshaw retired to enjoy a more relaxed life renovating derelict farm buildings in the Dordogne following twenty years promoting BEKA products throughout the world. Alec's ultimate ambition in France is to install a pool and rent one or two of his properties over the summer months as 'gite' accommodation, whilst growing his own vegetables, keeping chickens and enjoying all the things that French life can provide. That said, with a total lack of real ale throughout the south of France, he says that his old mash tun and sparging equipment will be put to good use. From September 09 to April 10 Alec will return to the UK as a BEKA field sales engineer.

Dave Turner, who has been responsible for BEKA export sales since 2005 has been appointed sales director and will continue our tradition of friendly world-wide support. Dave has an extensive engineering and approvals background that has expanded into product and sales management during more than thirty years in the process measurement industry.



www.beka.co.uk

NEW LITERATURE

2009 Product Summary

A revised eight page BEKA Product Summary showing all products and approvals is now available. Copies may be downloaded from www.beka.co.uk/ps or requested from the BEKA sales office.

New Indicating Temperature Transmitters

A brochure summarising our new range of Indicating Temperature Transmitters, plus individual datasheets and certificates for each model may now be downloaded from www.beka.co.uk/tx or requested from the BEKA sales office.



Alec Robshaw



New sales director
Dave Turner

BEKA in the North Sea

The BEKA agent in Norway, Norex AS, have supplied Hitec Products with BA304D loop powered intrinsically safe indicators to display the riser and annulus pressures of their complex hydraulic control system on Snorre A, an integrated drilling, production and accommodation platform in the North Norwegian Sea. The BA304D is a rugged, internationally certified instrument with a proven offshore track record.

Photo courtesy of Hitec Products



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Flying High

A BEKA BA558C 4/20mA rate totaliser supplied by Able Instruments has been installed into the cockpit of a two seater Hawker Hunter trainer as a proof of concept demonstrator. The Hunter is part of a fleet of military registered aircraft owned and operated by HHA based at RAF Scampton and is used for Contractualised Fast Jet Air Support on behalf of the UK MoD. This installation has been certified to integrate the output from an ultrasonic flowmeter measuring fuel consumption and flow rate as part of test pilot training exercises at Boscombe Down

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Mud, Mud, Glorious Mud

Aberdeen based Mud Automatics chose rugged BEKA 4 1/2 digit loop powered intrinsically safe indicators with backlights for their *Mud Watcher*, a revolutionary new instrument that measures and displays the density and viscosity of a well drilling fluid. Designed for offshore applications in Zone 1 hazardous areas, the *Mud Watcher* employs automatic non-contact measurement techniques to provide a continuous quality assessment of the drilling mud and thus a vital warning of potential drilling hazards.

www.mudautomatics.com

Photo courtesy of Mud automatics



Loop powered indicators may now be installed in Canada

Most BEKA loop powered 4/20mA indicators now have Canadian cFM Approval in addition to their existing ATEX and IECEx certifications.

Flow Batch Controllers receive US & Canadian certification

Field and panel mounting flow batch controllers BA454D and BA458C have recently received FM and cFM intrinsic safety and nonincendive approval allowing installation in both the USA and Canada.

Ex d loop powered indicators

To complement our extensive range of intrinsically safe, Type n and non-certified 4/20mA loop powered indicators, we can now supply the new BR323 ATEX, FM & CSA Ex d certified flame-proof/explosion proof loop powered indicator in either an aluminium or a stainless steel IP66 enclosure.



Call Andy....

For more information about BEKA products please contact our Sales Manager Andy Clarke or one of his team.



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Winching to success

The *SmartMonitor* electronic wireline control panel is a Zone 1 certified winch control panel manufactured by ASEP Well Services, a world leading manufacturer and supplier of well service equipment. The panel enables a winch operator to monitor speed and tension and includes alarms to shut-down the winch if the safety parameters are exceeded. For a recent hazardous area installation in Norway, ASEP chose a BEKA BA484D intrinsically safe serial text display with modbus communication to provide an independent indication of winch speed, depth and tension. The BA484D was supplied by HITMA BV who are located at Uithoorn in Holland and have represented BEKA in the Netherlands for more than twenty years.



Photo courtesy of ASEP AP