

A Clearer Picture of Hazardous-Area Working



For more than 200 years, Johnson Matthey has applied advanced metals chemistry to some of industry's most complex challenges. Today, the company is a world leader in platinum group metals, using its scientific expertise to apply, refine and recycle these valuable materials. Its technologies and products support customers across the automotive, chemical, energy and other industrial sectors.



Precious Metal Chemicals

Within such highly controlled manufacturing environments, accurate visual documentation plays an important role. Photographs may be needed to record the condition of equipment, capture a workplace scene, illustrate a standard operating procedure (SOP) or create a visual standard showing how a product, component or process should appear.

These images can support training, quality control, inspections, maintenance and process consistency. However, taking and transferring photographs becomes more complicated when the work must be carried out within an ATEX-classified area, where conventional consumer smartphones and cameras may not be safe to use.

Johnson Matthey had previously relied on a suitably approved digital camera fitted with a removable memory card. Although this allowed photographs to be captured safely, transferring the images was a comparatively cumbersome process. The camera had to be taken out of the controlled area, the

Registered Address

Able Instruments & Controls Ltd
Cutbush Park, Danehill, Lower Earley,
Reading, Berkshire, RG6 4UT. UK.

Phone

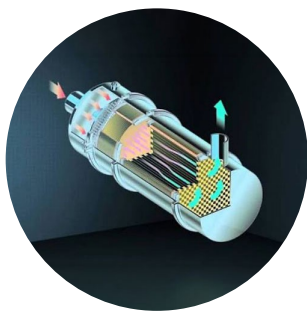
+44 (0)118 9311188

Email

info@ableinstruments.com

Web

ableinstruments.com



Diesel Oxidation Catalyst

The BARTEC SP9EX1 Smartphone Cam version combines smartphone functionality with a 48-megapixel rear camera designed to capture detailed images, including under challenging lighting conditions.

memory card removed and its contents loaded onto a computer before the photographs could be shared or incorporated into company systems.

To simplify this workflow, Johnson Matthey approached Able Instruments & Controls for a more modern hazardous-area imaging solution. Able supplied BARTEC SP9EX1 Smartphone Cam version devices, enabling personnel to capture and manage high-quality images using a single rugged mobile device approved for use in potentially explosive atmospheres.

The BARTEC SP9EX1 Smartphone Cam version combines smartphone functionality with a 48-megapixel rear camera designed to capture detailed images, including under challenging lighting conditions. Its rugged construction and IP68 protection make it suitable for demanding industrial environments, while its ATEX and IECEx certification enables the device to be specified for the relevant designated hazardous areas.

Johnson Matthey uses the devices for a variety of photographic applications, including general scene captures, visual standards and SOP documentation. Images can now be transferred digitally from the device without removing a memory card and manually loading it onto a separate computer.

This represents a significant improvement in convenience and accessibility. Photographs taken within the ATEX area can be incorporated more readily into reports, instructions and internal documentation, helping information reach the people who need it with fewer intermediate steps.



The solution also illustrates how hazardous-area mobile technology can improve everyday working practices without compromising the protection required by the environment. By replacing a standalone camera and manual image-transfer process with an intrinsically safe connected device, Johnson Matthey has made visual information easier to capture, retrieve and use.

For Johnson Matthey, the BARTEC SP9EX1 Smartphone Cam version provides more than a camera suitable for hazardous areas. It creates a simpler digital link between activities on the plant floor and the documentation systems that support safe, consistent and efficient operations.



BARTEC

BARTEC SP9EX1 Smartphone Cam version

For more information, please contact Able Instruments on +44 (0)118 9311188 or by email: info@ableinstruments.com

Registered Address

Able Instruments & Controls Ltd
Cutbush Park, Danehill, Lower Earley,
Reading, Berkshire, RG6 4UT. UK.

Phone

+44 (0)118 9311188

Email

info@ableinstruments.com

Web

ableinstruments.com