

Gauging the thickness



The hand-held Multigaugage 5600 now with improved performance

Thickness gauge specialist Tritex NDT has introduced an upgraded version of its general purpose Multigaugage 5600. The new version includes a number of features including improved performance, a large colour display and a user friendly graphic menu which allows for easier navigation. The Multigaugage 5600 uses multiple echo techniques to detect the condition of metal from one to 250mm thick. It can also penetrate coatings and paint finishes of up to six millimetres, eliminating the need to grind or remove paint when carrying out a structural inspection.

Its Intelligent Probe Recognition (IPR) and Automatic Measurement Verification (AMV) systems display accurate measurements of the sound metal thickness, even on the most heavily corroded material and are able to adjust to provide a perfectly matched probe and gauge. Its single crystal probes, used to

measure curved or corroded surfaces, are protected by a membrane ensuring the probe does not get damaged. Powered by AA disposable batteries it can last for up to 20 hours of continuous use between battery replacement or re-charging.

Gas detection system

Pyroban - now the explosion protection division of Caterpillar - has launched its new gas detection system Gascheka duo. Designed for cranes, work platforms or telehandlers working in areas where explosive gases or fumes may be present, the easily installed system can detect and prevent potential explosions.

This latest system from Pyroban uses infrared and pellistor gas sensing heads to detect potentially harmful and dangerous flammable gases or vapours. If 10 percent of the Lower Explosive Limit (LEL

propane) is detected, a visual and audible alarm will alert the operator. At 25 percent LEL propane, the system automatically shuts down the equipment to isolate the ignition sources. After the machine has been shut down it can only be restarted once the area is free from harmful gases or vapours and only with permission of the site manager or safety manager.

The system has been designed for vehicles operating in enhanced safety areas such as refineries, chemical and petrochemical plants, aerosol storage areas and distilleries. Supplied as an assembly kit, it takes just a couple of hours to be fitted to any machine powered by a diesel, LPG or electric motor.

Pyroban's gas detection system for cranes, work platforms and telehandlers



The wireless HoistCam system attached to a hook block

Wireless camera system

GM Engineering Services has introduced HoistCam – a wireless camera system specifically designed for use with cranes.

Unlike most traditional camera systems which are permanently installed, the HoistCam can quickly and easily be mounted with the use of magnets and secured with a safety lanyard. The wireless system can be installed almost anywhere on the crane giving operators the option of placing it directly on the boom, boom nose, hook block or on the crane cab, depending on the lift. Two cameras can also be used to help improve the view of more complex lifts.

Once installed the operator can view the live video feed - even in bright daylight - from the display screen located in the cab.

The camera/transmitter runs on

lithium batteries with up to 12 hours run time between charges.

The Improved visibility that the camera offers minimises the number of potentially dangerous lifts as well as improving safety and efficiency.

Christopher Machut, chief technology officer for GM, said: "During our trials we found that the operator was distracted when they had to take their hands off the crane's controls to constantly adjust the camera. By being able to easily re-position the HoistCam anywhere on the crane or the construction site, the rigger and crane operator are able to decide the best position to locate the camera – rather than this being decided by the manufacturer. This flexibility is especially useful during more dangerous lifting operations such as blind lifts."

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