

HBC Radiomatic pilots new concept

Remote control manufacturer HBC Radiomatic has designed a radically new single-handed remote control system the 'Radiomatic pilot'. The transmitter is based on an integrated inclination function which responds to directional movements which are then mimicked by the product - similar to a Wii game controller.

If you want to move left, you simply move your hand left and the function follows your movement. If you need to accelerate you move your hand further in the desired direction. For slowing down or changing the driving direction you move your hand back to the other direction. By using the horizontal and vertical inclinations of the transmitter, the operator can control two machine functions at once. The more the transmitter is inclined, the higher the speed, offering a completely new operating experience. A rotary switch allows additional functions to be selected.

The system is equipped with a safety release function whereby if the release button is not pressed no control commands can be activated by the inclination function. Similarly when it is pressed the transmitter vibrates informing the operator that the inclination function has been unlocked, it also responds to speed changes with increased vibrations speeds.

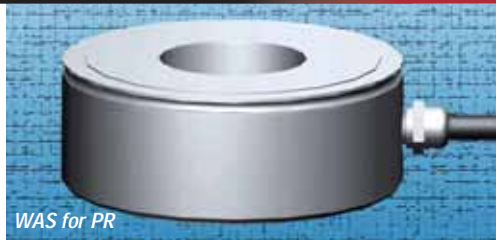
The Radiomatic pilot has a built-in micro drive function which enables the setting of pre-determined speed limits which cannot be exceeded, regardless of the inclination. It also includes a user identification feature, with the controller only activated with the use of a login card - HBC smart card. The smart cards can also be configured for individual operators and include functions such as the driving into prohibited areas being either enabled or blocked. This function can be combined with an HBC data logger, so that various information items, such as the operating hours of the drive commands and the login times of individual operators can be stored.



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New annular load cells from LCM



LCM Systems has introduced a new range of annular load cells designed specifically for applications such as bolt tension monitoring, forklift truck overload protection and failsafe cable tension monitoring.

Manufactured in stainless steel and environmentally sealed to IP66, the standard cells range from 12.5kN to 540kN (1.3 to 55 ton-force). However, LCM also specialises in the design of custom load cells and can produce non-standard versions. An example of this involved the manufacture of a high temperature, stainless steel annular load cell for use with paper machinery, in temperatures that varied from 10 - 100 degrees Celsius, yet was less than 30mm high. The final product, produced to the customer's exact requirements, was delivered with calibration certificates showing accuracy to within +/- 0.20 percent. All cells can be supplied as stand-alone products or incorporated into specific instrumentation packages.

New high resolution display screens

Sauer-Danfoss has introduced a series of high resolution, LCD colour display screens for mobile equipment, with eight soft keys and six buttons for navigation. The DP600LX, DP610LX and DP620LX feature faster, more powerful processors and a new operating system. They are suitable for both in cab and external applications.

The company claims its new ARM-11 processor provides greater responsiveness and faster screen data updates - with graphics updates two to three times faster - and application execution five to 10 times quicker. The 600 and 610LX also offer optically bonded LCD/lens technology which increases sunlight visibility and prevents fogging by eliminating the air gap between the lens and the LCD module.

Other new features include two external video inputs for providing system overview in either NTSC or PAL formats, 16MB of logging memory to store machine operating data as well as a USB connection that allows the logged data to be downloaded to a memory stick and a wider voltage range (9 to 70 Vdc).

Joseph Maher, product marketing manager of electronic components said: "We took industry-leading view ability and made it even better. The advanced Plus + 1 Compliant DP600LX Series displays feature sharper colour that is clear and legible in sunlight and bright and powerful at night for maximum clarity. They provide a rugged, high-performing, cost-efficient solution, making them ideal for vehicle applications seeking differentiation."



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