

News

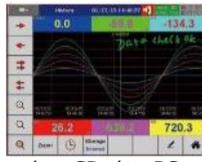
NEW IP65 Smart paperless linerecorders

Following on Brainchild's popular HMIs their line recorders are now equipped with touchscreen and extended specifications.

By default, the three models of 4.3", 5.6" and 12.1" include MODBUS TCP / IP Ethernet port, two USB ports and an SD slot. RS-232 or RS-485 is optional.

The ARM Cortex-A8, 1GHz results in a maximum measuring speed of 100msec.

With six different expansion modules (digital and analog in / out, including



Did you know:

EU countries: CE Mark
Many industrial products may only be marketed in the European Economic Area (EEA) as they have CE marking. This indicates that the product complies with legal requirements in the areas of safety, health and environment.

These requirements are set out in approximately 30 product-specific EU directives and regulations. Sometimes a product falls under several directives for CE marking.



temperature and pulse) a maximum of 48 analog channels can be measured with the 12.1" model.

The standard firmware has timers, repeat countdown, internet synchronizing clock and automatic printing for logging. Communication by web server, email,

MODBUS and free Windows application Historical Viewer, which can be used also to configure the Smart line recorder.

Mathematical calculations, batch control, FDA 21 CFR Part 11 and its own display using Panel Studio are optionally available with extended firmware.

For more information, select Smart line recorder link above.



Brainpower with IBM chip

IBM introduces the first [neurosynaptische computer chip](#) with a million programmable neurons, 256 million programmable synapses and synaptic 46 billion operations per second per watt. With 5.4 billion transistors, this fully functional and production-ready chip is one of the largest so far CMOS chips built. However, it consumes, while it functions in biological real-time, only 70 mW - much less than a modern microprocessor.

The neurosynaptische supercomputer is the size of a postage stamp and could herald a major change in science, technology, business, government and society.

Dr. Dharmendra S. Modha, IBM IBM Fellow and Chief Scientist, Brain-Inspired Computing, says: "This brain-inspired computer can transform mobility through applications with sensors and intelligence that fit in your palm, but for which no Wi-Fi is required."

Profinet SD2104 weighing amplifier (10 000 d OIML)

Due to increasing demand on the market, Syrnix, in consultation with its clients developed a weighing amplifier equipped with Profinet, a welcome addition to the existing Syrnix package SD weighing amplifiers and controllers. Thus creating the opportunity to process weights of incoming and outgoing goods directly by the PC into an accounting or production application.

The SD2104 is an accurate weighing amplifier (measurement resolution 24 bit), which can be used in all industrial weighing processes and can be easily linked to other equipment. Customer-specific software is fast, reliable and affordable to achieve.

The SD2104 for DIN rail mount can be used in various industrial networks in collaboration with the Syrnix SD2100 controller, external PLCs or industrial PCs. Communication takes place via USB and / or PROFINET. With two adjustable digital filters (FIR and Moving Average) which filtered out unwanted vibrations and interfering frequencies of the load cell input signal. With the aid of a logging function, the effect of the digital filters at the load cell input signal is made visible. This information can be stored in a CSV format, and be imported into other PC applications.



Produce goods not covered by these guidelines? Then you can not apply a CE marking. The CE marking - marked with the letters C and E - must appear on the product or to its data plate present.

Product CE Marking
Among the product groups for which CE marking is required includes, machines, gas appliances, pressure equipment, personal protective equipment, medical devices, construction products and electron(ic) equipment, pleasure boats and toys. The European Commission website has a list of product groups for which CE marking is valid. http://ec.europa.eu/growth/single-market/ce-marking/manufacturers/directives/index_nl.htm

There are also some new tools on the market for CE certification see <http://www.dguyv.de/ifa/Praxishilfen/Software/SISTEMA/index-2.jsp>, a software tool to evaluating machines for CE and [The Blue Guide 2014 \(http://ec.europa.eu/DocsRoom/documents/11502\)](http://ec.europa.eu/DocsRoom/documents/11502)

For more information see <http://www.bienfait.nl/profinet-weegversterker-sd2104/>

Solutions

Battery monitor

Several lithium battery packs had to be safely switched on / off and load depending on the battery voltage, temperature and SOC / DOD.

The CANvu355 is an economical and flexible solution designed for different number of batteries and voltages. The display controls and displays battery data, alarms of various batteries in a robust IP67 housing.

