

## Application Notes...



# Bale trailer manufacture

Farmers are under constant pressure to improve productivity and cut costs. Hence every machine has to be more accurate and efficient in order to meet ever more stringent targets, such as minimising size and weight.

### Brief given

One manufacturer needed a display unit to pick up CANbus signals and display them to the operator. It also had to make it easy for the operator to make adjustments to keep the vehicle running constantly. Further, the display unit package had to look unique for the customer.

### The solution

The solution was a standard Graf model AT3 CANbus HMI that had all the functions required for this application. It was supplied with freely-programmable software – including graphics – and was re-packaged in the customer's own housing.

### Implementation

The requirement was to specify the signals that needed to be displayed and the control signals that were needed by the operator in

order to control the trailer. Once this was determined, implementation was simply a question of setting up the unit to display with the appropriate graphical and functional screens. The program was simple to write in standard Graf C software and the images uploaded in JPEG format.

### Conclusion

With simple modifications to a standard product, the customer gained a piece of hardware that was unique in its mechanical style and provided all the functionality required.

# Sensor-Technik

## The UK's CANbus specialist

Making the move to a bus-based control system is a big step, but it needn't be a difficult one. Whether you require fully-approved components with a track record, or complete system design, Sensor-Technik has the answer. And we'll be with you every step of the way.

CANbus provides the ideal system for integrating electronic controls into vehicles and machinery, particularly because it's a system which is to ISO standard and which is supported by so many different manufacturers.

## Graf-Syteco operator panels

Graf-Syteco offers the industry's most complete range of CANbus enabled operator panels, for general industrial, building management and mobile vehicle applications. The products are available in a range of sizes and with different levels of functionality to allow the precise needs of the application to be met with the most cost-effective solution.

The units are also available with additional built-in control functionality and with additional on-board I/O to provide direct control of external CANbus nodes. Further, the units can be supplied without the operator panel to provide compact, standalone CAN nodes.

The products can be supplied to meet demanding environmental conditions. Front panels are protected to IP64, and the panels are suitable for use in extreme temperatures from  $-20^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$ .

Graf-Syteco has also developed associated programming software which provides the simplest means of setting up a system. Easy to use, the software guides even the novice programmer through application development and operator-interface design. Graf-Syteco offers comprehensive, free telephone support, and provides regular updates.

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