

## TOUGH J1587-COMPATIBLE DISPLAY PROVIDES INSTANT INSTRUMENTATION FOR DIESEL ENGINE EQUIPMENT

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Basildon UK and Sarasota FL, July 14, 2005 --- TeleflexMorse has added the SAE J1587 protocol to the communications capability of its universal automotive- and industrial-grade display, CANtrak. The introduction makes it simple to create instrument displays for diesel powered plant and equipment such as pumps, compressors, generators and drilling rigs - especially for the many suppliers of refurbished engines who need to interface to data using the older J1587 protocol. Users also have the option of interfacing using CANtrak's existing CANbus port and J1939 communications capability.

CANtrak's large LCD display (4.3x4.3inch/110x110mm DIN-format) provides a universal man-machine interface that can provide a complete instrument panel for equipment. Capable of displaying four instruments and alarms simultaneously, and with five user keys for accessing other engine gauges or data, the module offers a two-wire RS485 interface for connection to ECUs.

To simplify system building, the instrument is supplied with TeleflexMorse's ready-to-use 'generic engine monitoring' package, GEM. This software automatically creates highly graphical instrument clusters to display engine parameters and alarms. It supports all the major diesel engine parameters and active fault alarms. Engine data is displayed graphically using menu-driven screens, with a main display showing three gauges for key data, and other screens/ gauges and information accessible by soft keys.

Users have a high degree of flexibility over display configuration, allowing application-specific gauges to be created. Configuration possibilities include the selection of gauges displayed on any screen, the display of data in analogue or digital forms, graph trending, the units used, and selection of the language – with a choice of eight for the latter option. For a refurbished engine application powering a piece of plant equipment, the default boot-up display could be set to show engine RPM, plus oil pressure and coolant temperature gauges for example.

Among the J1587 data parameters supported are engine RPM, torque, accelerator position, coolant temperature and level, oil temperature and pressure, battery voltage, fuel rate (instantaneous), barometric pressure, turbo/boost pressure, inlet manifold temperature, engine hours and total fuel used. If any of the engine's active fault alarms occur, these are displayed overlaid on the gauge(s) currently being viewed, and additionally logged in the CANtrak's memory. The software also offers the ability to manipulate data, and comes with a number of standard calculations that can be made available to end users including average fuel rate per hour.

The CANtrak 160x128 pixel display employs FSTN (film supertwist nematic) LCD technology for visibility in direct sunlight - with backlighting. It offers a Deutsch connector interface to the engine, and protection to IP67, which covers immersion in water. The display operates over a temperature range of -25 to +75°C as standard, or optionally down to -40°C with the aid of a heating element - supporting automotive and industrial industry requirements. This provides support for OEMs building for harsh environments, such as offshore platforms and remote wellheads.

CANtrak LCD displays equipped with J1587-compatible GEM software are available off the shelf in small quantities for development and prototyping. Datasheets may be downloaded from <<http://www.cantrak-int.com>>.

Background information TeleflexMorse designs and manufactures integrated instrumentation, display and control systems, and is a leading supplier in the engine monitoring market for industrial and automotive applications. Headquartered in the UK, TeleflexMorse Electronics is a subsidiary of Teleflex Incorporated (NYSE: TFX). Teleflex Incorporated is a diversified manufacturer with interests in three major business segments: commercial, medical and aerospace. The company specializes in solving engineering problems by the development and application of proprietary technologies, and employs some 18,000 people in over 80 operating units worldwide. [www.teleflexmorse.com](http://www.teleflexmorse.com)

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