



## **ELECTRONIC SYSTEMS**

KAntrak<sup>™</sup> 2700 AND 2710



## AT A GLANCE

- 3.8" Graphical high resolution FSTN LCD Display
- Rugged ABS Case
- IP67 Protection Rating
- Low operating temperature (2700 -25°C, 2710 -40°)
- Data logging/diagnostics and control capabilities
- Contrast control/variable backlighting
- Internal sounder
- Soft keys provide easy navigation through software screens
- RS232, J1708/J1587 and CANbus datalink compatible
- Front and rear mountable (fitting kits required)
- CE Approved design

## **Product Description**

KAntrak<sup>™</sup> displays have established a new standard for intelligent, multi-function displays and are the perfect platform to empower your electronic systems with flexibility and control.

The new KAntrak<sup>™</sup> 2700 and 2710 utilizes updated electronic hardware to provide optimum LCD performance while ensuring the design anticipates future technical developments. The ideal man-machine interface monitors numerous CAN-based messages and displays the current status of user defined parameters. With its J1939 data bus, the KAntrak<sup>™</sup> offers easy integration into most third party CAN-based systems. It can also be combined with many other Kongsberg Automotive electronic products, such as the MCM, DCSM, SKIM, and keypads, to create a full scale monitoring and control system for virtually any type of on-road or off-road vehicle. The KAntrak<sup>™</sup> display is easily configured with user-friendly software options to suit virtually any application:

- Generic Engine Monitoring (GEM): Plug-and-go monitoring of the most popular J1939 engine parameters
- Configurable Display Module (KCDM): PC tool to configure the display to monitor any J1939 parameters
- Software Development Kit (SDK): Allows full programming of the display using 'C' language
- Custom software: Kongsberg Automotive can also provide a custom soft ware service to suit your exact application requirements.

A wide range of mounting kits, wiring harnesses and other accessories are also available.

## **Contact:**

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## Enhancing the driving experience

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## **Product Specifications**

#### Hardware

Micro Controller: FLASH Memory: RAM: EEPROM: Siemens 164, 16 bit/ 20Mhz 512K bytes 128K bytes 2700 - 2K bytes; 2710 2K + 32K bytes

**FSTN** 

#### Electrical

Display: Resolution: Power Requirements: Power Consumption: Audible Alarm: External output: Wiring Protection: Connection: Communications:

160 x 128 pixels 10 to 32 VDC supply (reverse polarity protected) 40mA (backlight off) 160mA (backlight on) at 12VDC 4kHz Internal sounder Open collector, internal driver (CANtrak 2710 only) 500mA Polarity reverse protected (Fuse must be included) Integral Deutsch 12 way connector (DT04-12PA) Full CAN 2.0B controller/ port. RS232, J1587/J1587 (RS485)

#### Environmental

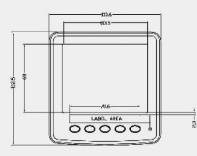
Operating temperature: Storage Temperature: Degree of Protection: Salt Spray: EMC: 2700: -25°C to + 75°C 2710: -40°C to + 75°C -40°C to + 80°C IP67 IEC 60068-2-52: 1996 IEC 61000 and EN55022

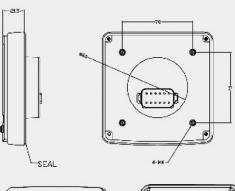
#### Mechanical

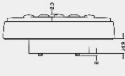
Case material: Dimensions: ABS (Case Colour - Black) 110mm x 110mm x 38.5mm deep (4.33" x 4.33" x 1.5") without connector

60000

## **Standard Mounting Dimentions**









## **Features**

- Excellent sunlight readability
- Integral Deutsch 12 way
  connector
- Internal 500mA open collector output driver (possible for external output alarm)
   Model 2710 only
- Connector Pin Identification:
- 1. Power -ve
- 2. Power +ve
- 3. RS232 TX (+)
- 4. RS232 TX (-)
- 5. RS232 RX (-)
- 6. RS232 RX (+)
- 7. CAN LO
- 8. CAN HI
- 9. J1708 / J1587A
- 10. J1708 / J1587B
- 11. Switched output
- (2710 only)
- 12. Not Used