

Electronic Systems

KAntrak™ 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

KAntrak™ 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™ 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™ 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, CCIM, and keypads, to create a full scale monitoring and control system for virtually any type of on-road or off-road vehicle.

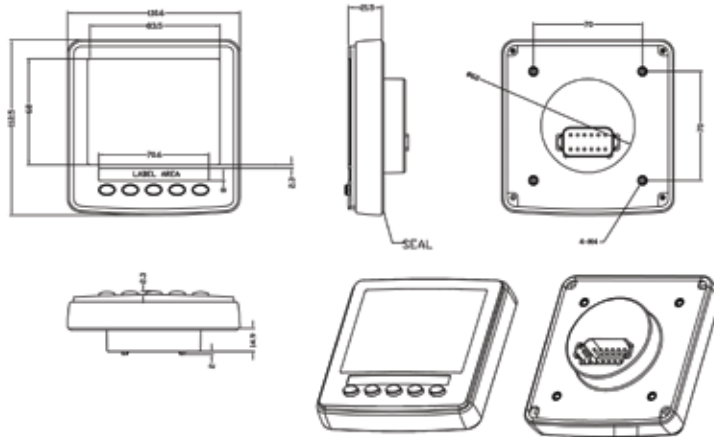
The KAntrak™ display is easily configured with user-friendly software options to suit virtually any application:

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 software service to suit your exact application requirements.

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

PRODUCT SPECIFICATIONS

MOUNTING AND DIMENSIONAL INFORMATION



SPECIFICATIONS & TECHNICAL DATA

HARDWARE	
Micro Controller	Siemens 164, 16 bit/ 20Mhz
FLASH Memory	512K bytes
RAM	128K bytes
EEPROM	2700 - 2K bytes; 2710 2K + 32K bytes
ELECTRICAL	
Display	FSTN
Resolution	160 x 128 pixels
Power Requirements	10 to 32 VDC supply (reverse polarity protected)
Power Consumption	40mA (backlight off) 160mA (backlight on) at 12VDC
Audible Alarm	4kHz Internal sounder
External output	Open collector, internal driver (CANtrak 2710 only) 500mA
Wiring Protection	Polarity reverse protected (Fuse must be included)
Connection	Integral Deutsch 12 way connector (DT04-12PA)
Communications	Full CAN 2.0B controller/ port. RS232, J1587/J1587 (RS485)
ENVIRONMENTAL	
Operating temperature	2700: -25°C to + 75°C 2710: -40°C to + 75°C
Storage Temperature	-40°C to + 80°C
Degree of Protection	IP67
Salt Spray	IEC 60068-2-52: 1996
EMC	IEC 61000 and EN55022
MECHANICAL	
Case material	ABS (Case Color - Black)
Dimensions	110mm x 110mm x 38.5mm deep (4.33" x 4.33" x 1.5") without connector

- 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