



KONGSBERG
AUTOMOTIVE

ELECTRONIC SYSTEMS

KAtrak™ 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

KAtrak™ 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 KAtrak™ 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 KAtrak™ 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 KAtrak™ 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.

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Product Specifications

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

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

Standard Mounting Dimensions

