

CANvu™ 700



High Performance Colour Touchscreen Display with Integrated I/O

The CANvu™ 700 is a fully sunlight viewable 7.0 inch colour display with integrated input and output features. The CANvu™ 700 is part of a new generation of compact, highly flexible, rugged CAN bus displays from CANtronik.

The CANvu™ 700 offers fourteen analogue inputs, four digital inputs, eight outputs, two CAN connections, Ethernet, and USB to allow multiple functionality and increased input and output capability.

The high brightness WVGA (800 x 480 pixels) colour display is fully sunlight viewable and the unit is totally sealed. Electrically and environmentally rugged, the new 700 display is ready to meet the challenge of providing tough, flexible and maintenance free instrumentation in harshest of environments.

Using the powerful Freescale iMX 286 processor, programmers can quickly put together a project using our proprietary software developer's kit and the proven CANtronik component based library. Application software is able to be rapidly validated on a PC with the built-in on-screen PC simulator.

All CANtronik products are backed up by a dedicated and highly experienced team of software engineers, ready to draw up specifications for custom software, undertake the work, test the codes and deliver fully functioning products.

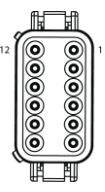
Highlights

- > WVGA Graphical high resolution 800 x 480 colour TFT LCD. With an enhanced LED variable backlight ensures total sunlight viewing. Max brightness of 800 NIT (cd/m2).
- > Fully sealed to IP67 using moulded in (3) Deutsch 12-pin connectors and one USB port.
- > CAN bus (x2), USB, RS232
- > 14 Analog Inputs, 8 Relay Outputs and 4 Digital Inputs.
- > Linux OS + Support for Qt
- > Full Software Developers Kit that provides a huge library of functions allowing programmers full control over all of the displays hardware.
- > Modern contemporary design easily branded for individual customers.
- > Internal sounder/buzzer
- > Potential for multiple accessed screens via user defined tactile soft-keys.
- > Front mounting kit supplied as standard
- > Can be supplied with various standard or custom harnesses or a Deutsch mating half connector kit.
- > Can act as part of a control system, not just as a display and/or data logger.
- > Optional remote I/O module, the CANvu™ Input Module (CIM) converts/controls signals locally and sends them to the display via CAN bus.

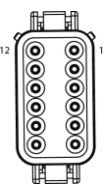
Hardware	
Micro Controller Unit	Processor is Freescale iMX 286, running 454 MHz
FLASH Memory	128 MB NAND
SDRAiM	128 MB
Electrical	
Display	a-Si TFT LCD 7.0"
Resolution	800 (H) x 480 (V) WVGA
Active Area	152.40mm (H) x 91.44mm (V)
Viewing Angle	60 degrees left/right/down 50 degrees up
Number Of Colours	262K
Contrast Ratio	400:1
Brightness	800 NIT (cd/m2) Full sunlight readable
Power Requirements	10V to 32V DC (reverse polarity protected)
Sounder	Internal Buzzer
Connection	(3) 12 Pin Deutsch DT04-12PA Moulded in
Communications	1 X RS232, 2 X CAN Bus 2.0B (1 isolated),
Environmental	
Operating temperature	-30 to +80 Degrees Celsius
Storage Temperature	-40 to +80 Degrees Celsius
Degree of Protection	IP 66 front IP 67 back
Mechanical	
Case material	ABS
Case colour	Anthracite Grey
Dimensions	205mm (W) x 157mm (H) x 30mm forward and
Part Number	
900700	CANvu™ 700 (800 NIT)
900700_EM	CANvu™ 700 (800 NIT) Engine Monitor

Connectors

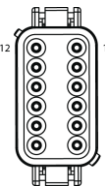
PRIMARY CONNECTOR	
1	Ground
2	Ground & Power (10-32V DC) Supply should be protected by 500mA – Rated circuit breaker/fuse
3	Relay/Solenoid Output 1
4	Relay/Solenoid Output 2
5	Isolated CAN Supply (-)
6	Isolated CAN Supply (+)
7	Isolated CAN Data H
8	Isolated CAN Data L
9	Relay/Solenoid Output 3
10	Relay/Solenoid Output 4
11	Primary CAN Data L
12	Primary CAN Data H



SECONDARY CONNECTOR	
1	Sensor 1 Analog Input
2	Sensor 2 Analog Input
3	Sensor 3 Analog Input
4	Sensor 4 Analog Input
5	Sensor 5 Analog Input
6	Sensor 6 Analog Input
7	Sensor 7 Analog Input
8	Digital Input/Flow Sensor 1
9	Digital Input/Flow Sensor 2
10	Tachometer Input
11	RS232 Receiver
12	RS232 Transmit



TERTIARY CONNECTOR	
1	Sensor 8 Analog Input
2	Sensor 9 Analog Input
3	Sensor 10 Analog Input
4	Sensor 11 Analog Input
5	Sensor 12 Analog Input
6	Sensor 13 Analog Input
7	Sensor 14 Analog Input
8	Digital Input/Flow Sensor 3
9	Relay/Solenoid Output 5
10	Relay/Solenoid Output 6
11	Relay/Solenoid Output 7
12	Relay/Solenoid Output 8



Dimensions

