

CANvu™ 355



High Performance Colour Display with Integrated I/O

The CANvu 355 is a fully sunlight viewable 3.5inch colour display with integrated input and output features. The CANvu 355 is part of the new generation of compact, highly flexible, rugged CAN bus displays from CANtronik.

The CANvu 355 offers seven analogue inputs, three digital inputs, four outputs, two CAN connections and a USB to allow multiple functionality and increased input and output capability.

The high brightness QVGA (320 x 240 pixels) colour display is fully sunlight viewable and the unit is totally sealed. Electrically and environmentally rugged, the new 355 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 ARM processor running Linux, 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 using the PC simulator.

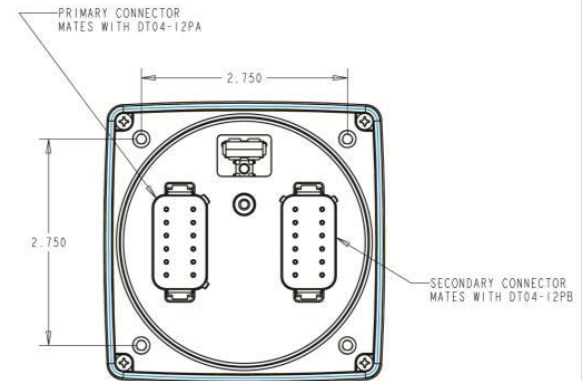
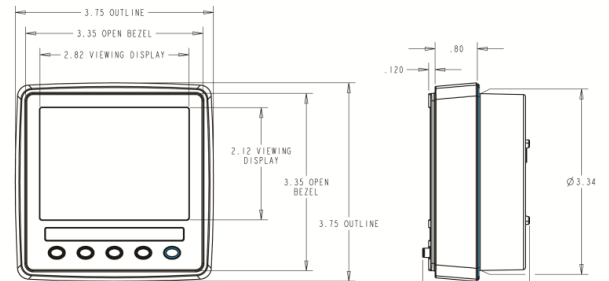
All CANtronik products are backed up by a dedicated and highly experienced team of engineers, ready to draw up specifications for custom software, undertake the work, validate and deliver fully functioning products.

Highlights

- > QVGA Graphical high resolution 320 x 240 colour TFT LCD. With an enhanced LED variable backlight ensures total sunlight viewing. Max brightness of 750 NIT (cd/m2).
- > Fully sealed to IP67 using moulded in (2) Deutsch 12-pin connectors and one USB port.
- > CAN bus (x2), USB, RS232
- > 7 Analog Inputs, 4 Relay Outputs and 3 Digital Inputs
- > Engine Monitoring versions come fully loaded to monitor key engine functions including the new TIER 4 information.
- > 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.

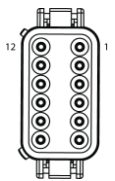
Hardware	
CPU	Freescale iMX 286 (454 MHz ARM926EJ-S)
FLASH Memory	128 MB NAND
SDRAM	128 MB
Electrical	
Display	a-Si TFT LCD 3.5"
Resolution	320 (H) x 240 (V) QVGA
Active Area	70.08mm (H) x 52.56mm (V)
Viewing Angle	130/110 degrees from 6 O'clock
Number Of Colours	64K
Contrast Ratio	300:1
Brightness	750 NIT (cd/m ²)
Power Requirements	10V to 32V DC
Sounder	Internal Buzzer
Connection	(2) 12 Pin Deutsch DT04-12PA Moulded in Receptacle
Communications	1 X RS232, 2 X CAN Bus 2.0B (1 isolated), USB2.0
Environmental	
Operating temperature	-20 to +70 Degrees Celsius
Storage Temperature	-30 to +80 Degrees Celsius
Degree of Protection	IP 67
Mechanical	
Case material	ABS
Case colour	Black
Dimensions	95mm (W) x 95mm (H) x 23mm forward and 23mm rear (D)
Part Number	
900355	CANvu™ 355
900355_EM	CANvu™ 355 Engine Monitor
900355_EGM	CANvu™ 355 Engine Gateway Monitor (EGM)

Dimensions



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

