

# Veethree R3

## 3" Colour round Touch Screen with integrated I/O



3 INCH  
DISPLAY



850 NIT  
SUNLIGHT  
READABLE



PCAP



RESOLUTION



IP 67  
INGRESS  
PROTECTION



+ 70°  
- 20°  
OPERATING  
TEMP



6 X ANALOGUE  
INPUT



5 X DIGITAL  
OUTPUT



1 X  
CAN BUS



1 X  
PORTS



1 X TACHO  
INPUT



1 X  
NMEA 0183

Agricultural – Environmental – Industrial – Marine – Specialist

### Key features:

The R3 offers a customisable screen with capacitive touch, giving the gauge the styling of a typical analogue gauge, with the modern ability to change looks to suit any application. The fully round PCAP LCD colour display can be viewed in full sunlight and the ruggedised unit is sealed to meet IP 67 standards. With CAN, RS485, analogue inputs and digital outputs support, the display is suited to a wide range of applications. External Buttons can be added through a compatible CAN keypad.

It meets the need for tough, flexible instrumentation while offering high performance and design specifications. Custom software applications can be developed through Veethree's team of specialist engineers.

The SDK is offered for a one-off license fee from which customers can develop their own bespoke application solution. Alternatively WiTD can develop software to your specification using our experienced in house engineers.

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# Specifications VEETHREE R3

## Hardware

Microcontroller	STM32F4
Flash-memory	8 MB
RAM	256 MB

## Electrical

Display	PCAP LCD 2.93" Round
Resolution	432 x 432
Active area	74.39mm
Viewing angle	70 degrees left/right/up/down
Contrast ratio	700:1
Brightness	850 NIT (cd/m <sup>2</sup> ) Full sunlight readable
Power requirements	10V to 32V DC
Sounder	Internal buzzer
Connection	2x 12 Pin Deutsch DT04-12P & 1 x USB 2.0
Communications	1 X RS485, 2 X CAN Bus 2.0B (1 isolated), 1x USB 2.0

## Environmental

Operating temperature	-20 to + 70 degrees Celsius
Storage temperature	-30 to +80 degrees Celsius
Degree of protection	IP67

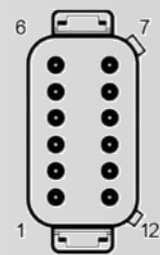
## Mechanical

Case material	ABS
Case colour	Anthracite Grey
Dimensions	4.17" Round x 2.35" Depth

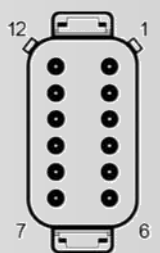
Connector 1	
1	Ground
2	Power Input
3	Dimmer Input
4	Analogue in 1
5	CAN Ground
6	CAN Power
7	CAN H
8	CAN L
9	RS485+
10	RS485-
11	Power Input
12	Ground

Connector 2	
1	Ground Analogue
2	Digital Out 1 (Relay/Buzzer)
3	Analogue In 2
4	Analogue In 3
5	Analogue In 4
6	Analogue In 5
7	Analogue In 6
8	Digital Out 2
9	Digital Out 3
10	Digital Out 4
11	Digital Out 5
12	Frequency Input

Primary



Secondary



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