



Ref: FAQ00 61

Version: 1.0

Title – Lolog Vista display units error

Made By: AB 19/09/14 (Issue 1)

Question – Why does LoLog Vista display not show correct pressure when set to display in Bar

There is a limitation with the LoLog display reading accuracy relative to the actual pressures being measured by the logger. Because the display has a limited number of digits when converting units between Metres Head and Bar there is an inherent error. In order to achieve the bar reading on the display, the metres head value is divided by 10 so that the display reads in Bar. The logger always works in Metres head and any other units are calculated from this.

So 10 metres head is displayed as 1 bar. For the display to provide a totally accurate figure the value of 10 metres head should be divided by 10.1998 to give a true reading of 0.9804 bar.

Since the display can only show one figure after the decimal point the true bar value would be rounded up from 0.9804 to 1.0

There is no such discrepancy when comparing the values in Radwin software which is able to handle the requisite numbers after the decimal point and can therefore show a graph accurately in either in Bar or metres Head.

Document History:

| Edition | Date of Issue | Modification | Notes |
|---------|---------------|--------------|-------|
| First | 19/09/14 | Release | |
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