



Engineering Note

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Title:	Hydro-View display contrast problems
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Products affected:	Hydro-Views prior to model HV02
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Summary:	This document describes how to adjust the display contrast on a Hydro-View unit not fitted with front panel control.

Symptoms

The Hydro-View display is very faint shortly after power has been applied or develops a dark blue background after extended use.

Cause

When operated at temperatures other than normal room temperature (20°C) it may be found necessary to adjust the display contrast to improve legibility.

Early Hydro-View production units were factory set at room temperature. When subsequently operated at elevated temperatures the display gradually turned dark blue. Later units were therefore factory set after establishing a normal operating temperature.

Remedial action

The display contrast may be adjusted by turning the pre-set potentiometer VR3 located on the main circuit board. The location of VR3 is shown in the diagram overleaf.

The contrast should only be adjusted at normal working temperatures and after the unit has been in operation for a few hours. Adjusting the contrast immediately after switch on will mean further adjustment later.

If the display is very faint immediately after power up, leave for a while as the contrast will increase when the unit warms up.


