



Agilent Technologies

Innovating the HP Way

1100 Series FLD Dark Current Test Procedure Using the Chemstation

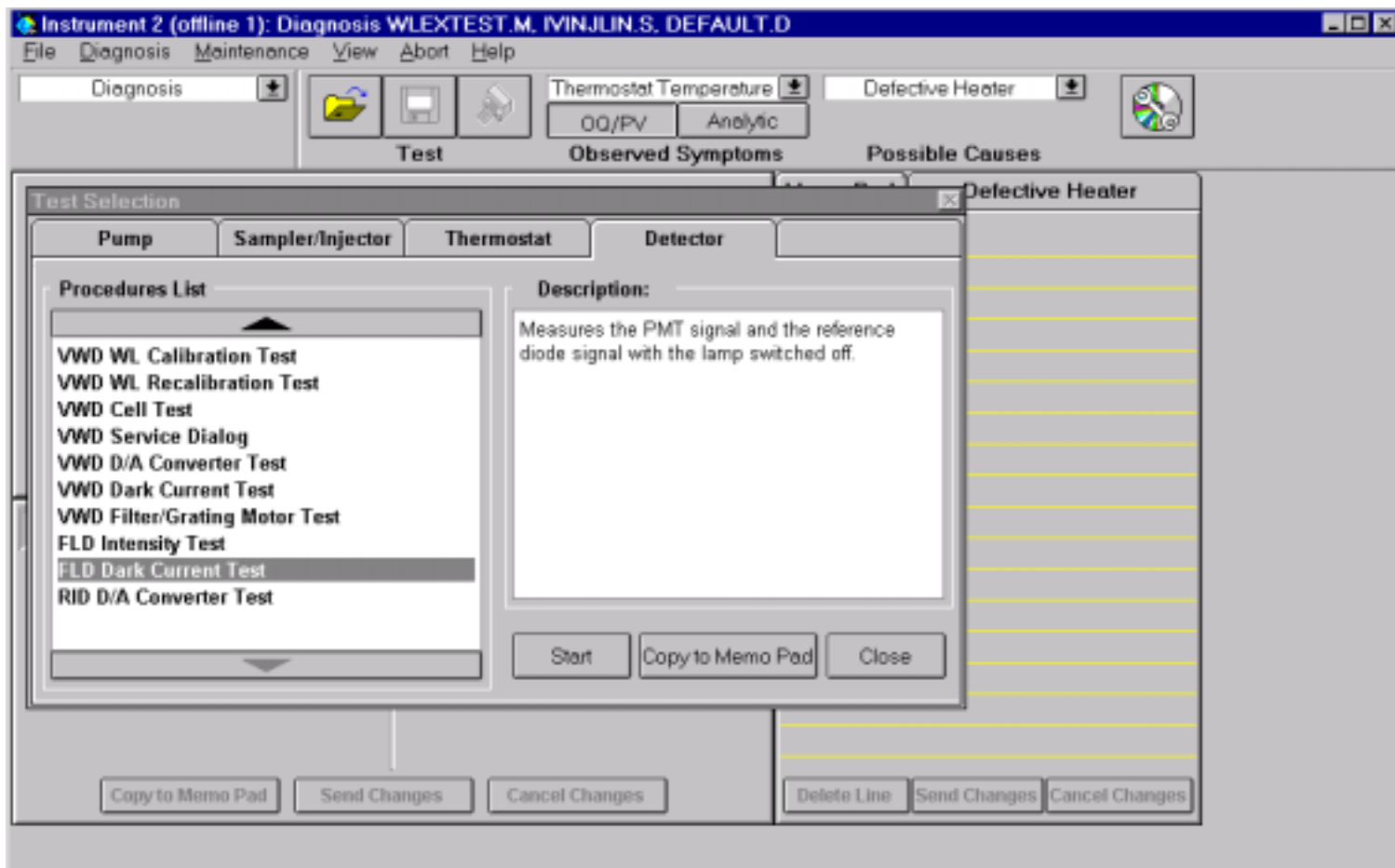
FLD Dark Current Test

The dark-current test measures the PMT signal with maximum and minimum gain while the lamp is off. It also takes the signal of the reference diode. The resulting values (two each from PMT and reference diode) are displayed in a table and checked against reasonable limits.

The FLD Dark Current Test can be accessed on the ChemStation software.

1. If not already displayed, pull down the **View** menu and select **Diagnosis**
2. Pull down the **Diagnosis** menu and select **Tests**
3. Select the **Detector** tab and **FLD Dark Current Test**
4. Start the **FLD Dark Current Test** by selecting **Start**

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The information contained herein is intended for use by informed individuals who can and must determine its fitness for their purpose.



FLD Dark Current Test Results Limits

PMT dark current	<10000 counts
Reference diode dark current	<5000 counts

Probable causes of test failure

Cause	Corrective action
Defective optical unit.	Exchange the optical unit.