

NMR ORC

UVA System (Ishara)



UVA-NMR_ORC_C...omponents.pdf



UVA-NMR_ORC_C...omponents.pdf

NMR2 - Test setup



UVA-NMR2_Test_setup.pdf



UVA-NMR2_Test_setup2.docx

Source files:

[UVA-NMR_ORC_Custom_Components.docx](#)

[UVA-NMR_ORC_Commercial_Components.docx](#)

Previous versions:

17 May 2021 Two Versions: (1) [UVA-NMR_ORC_Custom_Components.pdf](#)

(2) [UVA-NMR_ORC_Commercial_Components.pdf](#)

22 Apr 2021 [UVA-NMR_ORC.pdf](#)

Manuals:

1. RF Generator: [SMT06_manual.pdf](#)
2. BNC-2115: [BNC-2115-installation-guide.pdf](#)

3. NI PXIe-1071: [NIPXIe-1071.pdf](#)
4. NI PXIe-8375 [NI_PXIe-8375.pdf](#)
5. BNC-2090: [BNC-2090.pdf](#)
6. SCB-68A: [NI-SCB-68A.pdf](#)
7. Oscilloscope (Tektronix TDS 754C): [TDS-754C-Oscilloscope.pdf](#) (See item #10 for the one currently in use).
8. Q-meter:
 - Power supply schematic diagram : [Q-meter_Power_Supply_Box_Schematic.pdf](#)
 - Liverpool Q-meter guide : <http://twist.phys.virginia.edu/Documents/LiverpoolQMeterGuide.pdf> or [LiverpoolQMeterGuide.pdf](#)
 - Design Document : [qmeter_blueprint.pdf](#)
 - More details : <https://confluence.its.virginia.edu/display/twist/Q-meter>
8. DIO Box:
 - Schematic for the connections in the main circuit board: [schematic - DIO box.pdf](#) , [overview - DIO box.rtf](#)
 - Circuit board layout: [layout - DIO box.pdf](#)
 - Part list: [parts list - DIO box.xlsx](#)
 - Components' documents: [2N7002PS.pdf](#) [74AHC_AHCT32.pdf](#) [561-xx0x-050.pdf](#) [CFPB.pdf](#) [Relay_CRR_Series_E.pdf](#) [sn74lvc1g17.pdf](#)
9. Yale-Card schematics: [LiverpoolYaleCard.pdf](#)
10. Oscilloscope (Tektronix TDS 3032): [Tektronix_TDS_3032.pdf](#)

Previous Note: <http://twist.phys.virginia.edu/TechNotes/SPTG-TechNote-17001.pdf>

LANL System (Misha)