# Stage 1 I-V Curve / Intesity Mesurements

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| **#** | **System Parts** | **Part components** | **Description** | **Comple-**  **teness** | **Using PC Interface** | **Labview connection tested** |
| 1 | Labview Instrument Drivers | Tunable laser | ORPHEUS-HP OPA | 100% | USB | Yes (with demo device) |
| Lock-In Amplifier | SR810 DSP lock-in amplifiers | 100% | GPIB | Yes |
| Optical Power Monitor | Thorlabs' PM400 power meter console | 100% | USB | Yes |
| Сurrent/voltage source and measure unit | Keithley 2602 | 100% | GPIB | No |
|  |  |  |  |  |
| 2 | User UI | Main window |  | 80% |  |  |
| New measurement dialog |  | 50% |  |  |
| Settings dialog |  | 0% |  |  |
|  |  |  |  |  |
| 3 | Measurements conrol engine | Adjusting voltage and measuring current | Using SMU | 0% |  |  |
| Intensity vs Wavelength measurement |  | 30% |  |  |
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# Stage 2 Photocurrent mapping

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| **#** | **System Parts** | **Part components** | **Description** | **Comple-**  **teness** | **Using PC Interface** | **Labview connection tested** |
| 1 | Labview Instrument Drivers | Motorized Stage | KIM101 K-Cube Inertial Motor Controller | 50% | USB | No |
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| 2 | User UI | Photocurrent mapping settings dialog |  | 0% |  |  |
| Results display window (generated photocurrent mapping image) |  | 0% |  |  |
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| 3 | Measurements conrol engine | Photocurrent mapping measurement process |  | 0% |  |  |
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