

| Instrument Type                           | Calibration Parameters           |  |
|---|----------------------------------|--|
|   | Standard Accuracy Verification   | Additional Parameters on Request                                 |
| Tunable Laser                             | Absolute Wavelength              |  |
|   | Power vs. Wavelength             |  |
|   |                                  | Power Linearity<br>SSE (Spontaneous Emission)                    |
| Optical Power Meter (OPM)                 | Absolute Power                   |  |
|   | Power Linearity (Relative Power) |  |
|   |                                  | Wavelength Flatness<br>(1460nm to 1580nm only)                   |
| Optical Spectrum Analyzer (OSA)           | Dynamic Range                    |  |
|   | Sensitivity                      |  |
|   | Absolute Power                   |  |
|   | Power Linearity (Relative Power) |  |
|   | Absolute Wavelength              |  |
| Return Loss Meter                         | Return Loss                      |  |
|   |                                  |  |
|   |                                  |  |
| Wavemeter                                 | Absolute Wavelength              |  |
|   | Absolute Power                   |  |
|   |                                  |  |
| Light Sources (LASER, LED, Broadband)     | Absolute Power                   |  |
|   |                                  | Center Wavelength<br>Spectral Width                              |
|   |                                  |  |
| Optical Attenuators                       | Attenuation                      |  |
|   |                                  | Wavelength Flatness<br>(1460nm to 1580nm only)                   |
|   |                                  |  |
| Optical Time Domain Reflectometers (OTDR) | Distance (Absolute)              |  |
|   | Reflectance                      |  |
|   | Loss                             |  |
| Polarization Controller                   |                                  | Loss Variation w. Rotation of $\lambda/4$ and $\lambda/2$ Plates |
|   | Loss versus wavelength           |  |
|   | Extinction Ratio                 |  |
| EDFA                                      | Spectral Response                |  |
| Chromatic Dispersion Analyzer             | Chromatic Dispersion             |  |
| Polarization Mode Dispersion Analyzer     | Polarization Mode Dispersion     |  |