

2.2.3 Juno+ USB Interface

Convert your laptop or desktop PC into an Ophir sensor power/energy meter

- From sensor to interface to PC - powered from USB
- Autonomous mode: Outputs voltage relative to measurement while connected via USB to a standalone power supply and not a PC
- Plug and play with all standard Ophir smart sensors
- Position & size measurement with BeamTrack sensors
- Record every energy pulse at up to 10kHz
- Analog output
- Log power and energy, average, statistics, histograms and more with included StarLab application
- Pulsed Power measurements with Thermopile detectors
- Low Frequency Power - power measurement from pulse cycle energy (for VCSEL)
- LabVIEW VIs and COM Object interface



Smart Sensor to Juno+ to PC

Ophir's basic smart compact Juno+ module turns your PC or laptop into a full-fledged Ophir laser power/energy meter. Just install the software, plug the sensor into the Juno+ module and connect the Juno+ with a standard USB cable to the PC USB port. You can connect several Juno+ modules to the PC.

LabVIEW

Juno+ with BeamTrack sensor and StarLab showing beam power, position and size

Specifications

| | |
|----------------------------------|---|
| Power Measurement | |
| Power log period | 5s to 500hr |
| Energy Measurement | |
| Max real time data logging to PC | 10,000Hz ^(a) |
| Trigger input and output | N.A. |
| Timing | Supports time stamp for each pulse - resolution 10µs |
| General | |
| Number of sensors supported | One sensor per unit. Can combine several units with software for display of up to 8 sensors on one PC |
| Compatible sensors | Supports all standard Ophir Pyroelectric (PE-C series), Thermal, BeamTrack and Photodiode sensors. Works with our PD300RM sensors. |
| Power supply | Powered from USB |
| Outputs | USB and user selectable 1, 2, 5 and 10 Volt full scale analog output |
| Dimensions | 105mm L x 80mm W x 29mm H |
| Compliance | CE, UKCA, China RoHS |
| Notes: | (a) This is the data logging rate for every single point in turbo mode. Above that rate, the instrument will sample points but not log every single point |

Ordering Information

| Item | Description | Ophir P/N |
|----------------------------------|---|-----------|
| Juno+ | Module to operate one Ophir sensor from your PC USB port. Comes with software | 7Z01252 |
| Juno+ USB cable | USB-A to MINI-B Cable (1 unit supplied with Juno+) | 7E01217 |
| Standard Analog Output Connector | 2.5mm mono jack (1 unit supplied with Juno+) | 7E02008 |