

Direct Control of PIV AM3200

- ✓ Direct control through Visa Connection
- ✓ Fast Mode enabling
- ✓ External trigger enabling
- ✓ Asynchronous Mode
- ✓ Compatible with multiple programming languages

AM3203-018 : Fast-IV Measurement Mode

This Firmware Option enables a fast mode that speeds up the measurement time on your device. When controlled by an external application, this mode reduces the Input and Output Pulsed / Quiescent Voltages / Current measurement time by at least a factor of 10. The benefit can be even higher for waveform measurements that require an equivalent time domain acquisition mode. The speed enhancement will then depend on different parameters, such as the equivalent time resolution, and the measurement window length.

AM3203-025 : Synchronous Pulsed-IV Measurements

Enables 4 trigger connections (SMB connection) on the rear panel:

- Pulse Trig in: The input signal "Ptrig-in" is used to trigger the Pulse IV generator by an external device.
- Pulse Trig out: The output trigger signal "Ptrig-out" is generated by the Pulse IV with fixed duration ($>2\mu\text{s}$), this one can be used to synchronize an external device such as an oscilloscope or a Digital Multi Meter.
- Meas Trig in: The input signal "Mtrig-in" (a periodic TTL signal) can be used to define the IV measurement windows location.
- Meas Trig out: The output signal "Mtrig-out" is an output periodic TTL signal that corresponds to the measurement windows defined for the IV measurements.

Contact sales@maurymw.com for sales requests



AM3203-026 : Asynchronous Pulsed-IV Measurements

Enables Pulse shape recording with Long Period. In this mode, a single pulse Ptrig allows to do a complete acquisition. The sampling period is stable and adjustable from $1.1\mu\text{s}$ to 200s, in steps $\geq 1.1\mu\text{s}$. One measurement can contain between 1 to 1024 successive points. The delay between Ptrig and the first measurement is equal to this sampling period. Measurement acquisition starts from the second pulse Ptrig detected.

These firmware options are needed to control the AM3200 only when not used with IVCAD Software.