PoE Injector Testing with PVA-3000

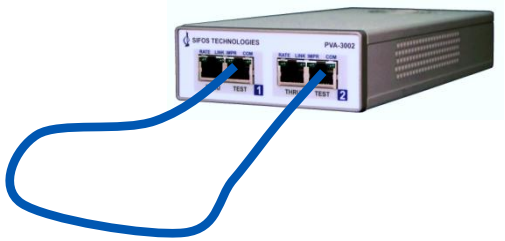
Case #1: PHY Performance Testing: Unpowered

Calibration Configuration:

Connect PVA Test Port #1 to PVA Test Port #2

Calibrate PVA Test Port #1

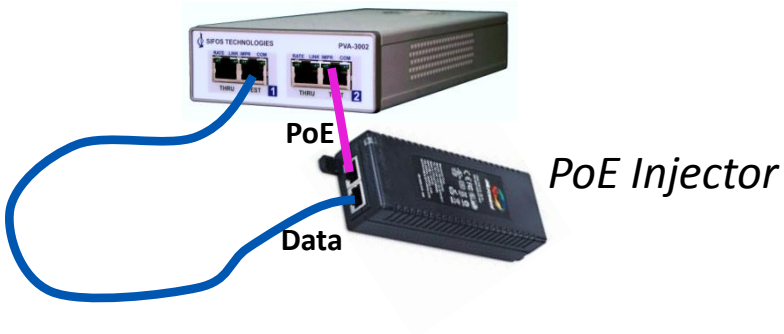
(This is a normal PVA calibration.)



Test Configuration:

Connect PoE Injector OUTPUT via Short Cat6A Jumper to PVA Test Port #2

Connect PVA Test Port #1 to PoE Injector INPUT via PVA Test Cable



PHY Test Suite:

Specify that DUT Type = "cal_partner" ***(requires PVA Test Suite ver 4.1.10 or newer)***

Run any or all tests via PHY Performance Test Sequencer on PVA Test Port #1

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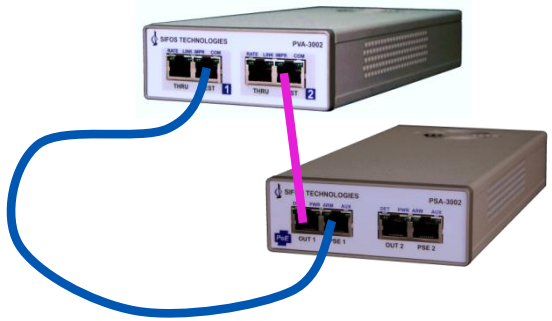
Case #2: PHY Performance Testing: Powered at Full Load

Calibration Configuration:

- Connect PVA Test Port #1 to PSA/PSL 'PSEx' Port
- Connect PSA/PSL 'OUTx' Port via Short Cat6A Jumper to PVA Test Port #2
- Calibrate PVA Test Port #1



Test Configuration:

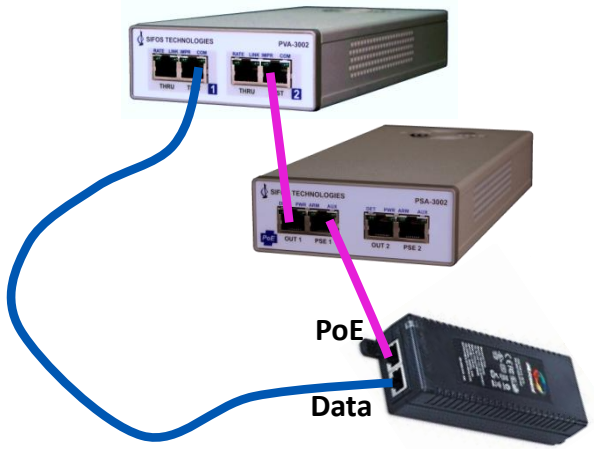
- Connect PoE Injector OUTPUT via Short Cat6A Jumper to PSA/PSL 'PSEx' Port
- Connect PVA Test Port #1 to PoE Injector INPUT via PVA Test Cable
- Connect PSA/PSL 'OUTx' Port via Short Cat6A Jumper to PVA Test Port #2

PSE Loading:

- Use PSA Interactive or PowerShell to bring PoE Injector to full power output.

PHY Test Suite:

- Specify that DUT Type = "cal_partner"
- Run any or all tests via PHY Performance Test Sequencer on PVA Test Port #1



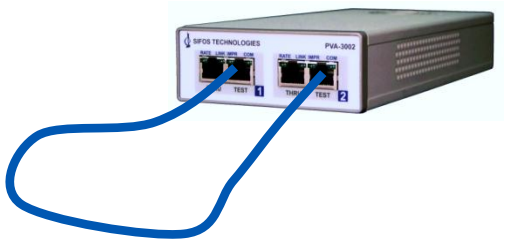
PoE Injector

PoE Injector Testing with PVA-3000

Case #3: DC Unbalance Tolerance Testing

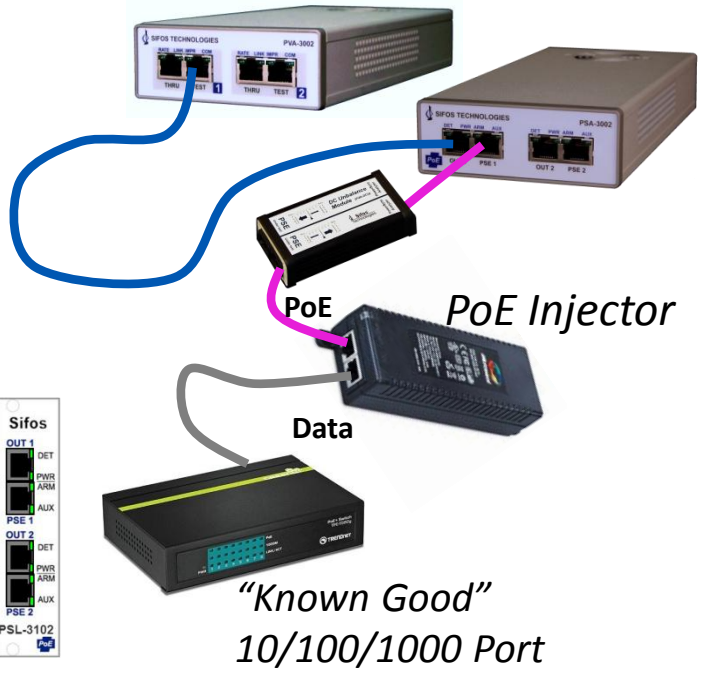
Calibration Configuration:

- **Connect PVA Test Port #1 to PVA Test Port #2**
- **Calibrate PVA Test Port #1**
- *(This is a normal PVA calibration.)*



Test Configuration:

- **Connect PoE Injector OUTPUT via Short Cat6A Jumper to PVA-DCU "PSE" Port**
- **Connect PVA Test Port #1 to PSA/PSL "OUTx" Port**
- **Connect PSA/PSL 'PSEx' Port via Short Cat6A Jumper to PVA-DCU "PSA" Port**
- **Connect PoE Injector INPUT to any known-good 10/100/1000 Port**



PHY Test Suite:

- **Run DC Unbalance application (part of PHY Performance Test Suite)**

PSA/PVA Chassis Setup