

# TRADE UP TO GRENOUILLE!

Are you tired of your old obsolete pulse-measurement device providing only limited information? Would you like to begin measuring your pulses more easily, accurately, reliably, and completely than ever before? Swamp Optics is happy to make it easier with its new Trade-In program.

Just send us your old obsolete pulse-measurement device—even if it's not working—and we'll give you a credit of up to \$3,000\* toward the purchase of a brand new GRENOUILLE (or FROG)!

Just choose the GRENOUILLE you'd like, and send us your old device. We'll donate its parts to a university student lab in need of optical components.

\*The credit will be \$3,000 for a recently purchased SPIDER, \$2,000 for a recently purchased autocorrelator or old SPIDER, and \$1,000 for an old autocorrelator or any pulse-measurement device with no useful components (in that case, we may also accept a video of you smashing it with a sledge hammer). Credits cannot be used for "Lite" models.



## GRENOUILLE AT A GLANCE

- **The pulse intensity and phase vs. time**
- **The pulse spectrum and spectral phase vs. wavelength**
- **The beam spatial profile (<math><1\mu\text{m}</math> models)**
- **The spatial chirp**
- **The pulse-front tilt**
- **No assumptions**
- **No alignment**
- **Very easy to use**
- **High sensitivity**
- **Real-time intensity and phase retrieval**
- **Minimal weight and size**
- **Laptop and USB compatibility**
- **Low cost**

A single GRENOUILLE can measure pulses from a wide variety of sources, from the lowest-power oscillator to the highest-intensity amplifier.

Voted one of the year's 100 most technologically significant inventions in 2003 and one of the top 25 new optics products of 2004, GRENOUILLE represents a huge leap forward in ultrashort-pulse-measurement technology.