

Tunable laser for data acquisition with ÄPRE S-Series and Upgrade interferometers

Some applications demand a precision tunable laser, such as large optics, solid cavities or specialized data acquisition. Up until now, general purpose or repurposed tunable lasers have been used with slow data acquisition, limited tuning range, or extremely high cost.

The ÄTLas 633 is uniquely designed and manufactured by ÄPRE specifically to meet the most demanding requirements without an exorbitant cost. Set to the 633 nm wavelength and fiber coupled, it perfectly matches ÄPRE's high performance S-Series interferometers, as one of their four optional sources.

Wavelength Shifting Upgrades

The ÄTLas 633 can also be used as a replacement laser on classic interferometers. Often these older systems cannot be upgraded as no, on-the-market replacements exist. The ÄTLas 633 now makes that replacement possible, keeping your manufacturing running at significant cost savings.

Simple Operation

The ÄTLas 633 is a single unit. No need for external controllers with front panel controls that can be inadvertently adjusted thus bringing down your production. ÄTLas 633 is directly controlled via ÄPRE's REVEAL software during set up and acquisition. REVEAL does it all.



Performance

Function	Tunable laser for interferometer data acquisition
Wavelength	633 nm
Acquisition Cavity Range	5 mm - 2,500 mm
Fiber Optic Output Power	>2mW
Supported Camera Rates	100 Hz - maximum
Optical Output	Polarized, Fiber Optic
Warranted Lifetime	3,000 hours operation or 24 months, whichever come first

Environment

Temperature	15°C to 30C
$\Delta T/\Delta t$	<1.0°C/15 min
Humidity	5 to 95% relative, non-condensing

Physical

L X W X H mm (inch)	275 x 250 x 160 (11 x 10 x 6.3)
Weight	7kg (15.4 lbs)

1 ÄTLas 633 maximizes product lifetime with an automatic shutdown cycle