Stabilock II_® **Fringe Locker**

Drift and vibration compensation for holographic exposures



- ♦ Stabilizes long term drift
- Typical stability of $\lambda/20$
- ◆ 100:1 dynamic range
- ♦ Displays signal/mirror position
- ♦ Adjustable mirror position, signal gain and damping

"Without the Stabilock II_®, we could not make most of the holograms we make. We depend on

it". Rich Rallison, CEO Ralicon, Paridise, Utah

"We don't shoot exposures without our Stabilock II_® s'. They are integral to our set

ups." Steve Smith, MIT Media Lab, Cambridge, MA (former president of LaserSmith, Chicago, Ill.)

Applications:

Holography:

- ◆ Transmission and reflection copies ♦ Holographic Optical Elements (HOEs)
- ♦ Never-fail classroom holograms
- ◆ Mastering in photo-resist
- ◆ Air current compensation
- ♦ Thermal drift compensation

Interferometry:

- Real time vibration monitoring
- ◆ Lock fringes for data collection ♦ LUPI (laser unequal path interferometer) fringe locking

Lasers:

• Lock two lasers together to get a single mutually coherent beam • Laser frequency drift compensation: lock the laser frequency by locking the fringes caused by frequency drift in the laser cavity

Now you can get the **high contrast holograms** you need even with long exposure times. By eliminating drift, you can get the most out of your material and processes for higher clarity and efficiency. If you work with interference patterns, this is one piece of adaptive optics you should not be without.

Data Optics, Inc.

115 Holmes Road, Ypsilanti MI 48198-3020 Fax: (734) 483-9879 (800) 321-9026 (734) 483-8228

www.dataoptics.com 7/19/12 E-mail: sales@dataoptics.com



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SL2	Stabilock II® (with standard mirror: 300 - >900 nm; 929	%R) <u> </u>	\$1995.00 US\$
-DM	Stabilock II® with dielectric (488nm-694 nm; 99% R):	S	\$2345.00 US\$
-UV	Stabilock II® with UV detector/mirror (300-550 nm; 99	%R) 9	\$3190.00 US\$
-VP	Base/post holder/post pair option (as shown in picture) a	dd: S	\$158.00
-CI	RS-232computer interface	(av	ailable soon)
Shippin	ng weight/delivery	7 lbs. (15.4	Kg)/<15 days



Accepted

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