

Simple adjustment aids

Monitor etalons



The etalons are suitable for bandwidth measurements at lasers with bandwidths $< 0,8 \text{ cm}^{-1}$. We offer these etalons as compact mounted units in stainless steel holders with:

- **Solid etalon**

FSR (free spectral area)	$0,2 \text{ cm}^{-1}$
Finesse	12 - 15
Free aperture	$\varnothing 17 \text{ mm}$
There is a choice of the following spectral areas:	380 - 450 nm 450 - 580 nm 580 - 720 nm 720 - 900 nm
dimensions incl. Holders	$\varnothing 32 \text{ mm}$ Length 32mm

- **Solid etalon with imaging lenses**

This monitor etalon consists of the solid etalon mentioned above with a widening lens to a divergent illumination and a collecting lens to an image in the far field.

Widening lens	$f = -25 \text{ mm}$
Collecting lens	$f = 1000 \text{ mm}$
Free aperture	$\varnothing 15 \text{ mm}$
Dimensions incl. holders	$\varnothing 32 \text{ mm}$ Length 60mm

- **bandwidth measurement RD-PB-02**

The bandwidth measurement system RD-PB-02 represents an inexpensive alternative to commercial available bandwidth measurement devices. The system consists of a photo diode with „sample and hold“ unit (RD-PSH-01), a solid etalon with imaging lenses and a pinhole.

The RD-PSH-01 can easily be mounted at an y-t-recorder or an AD-transformation, for a simple and qualitative measurement of the spectral bandwidth of your laser.

- internal and external trigger
- adjustable trigger level
- adjustable delay
- adjusted time window
- **intensity measurement**
- **pulse duration measurement down to 500 ps possible**
- as trigger source usable, exit: 8-9 Volt
- service requirement power 12 V
- dimensions: 60 mm x 75 mm x 33 mm

He-Ne adjustment



The system ranges from the simple He-Ne-laser adjustments, which are mounted on double slope tables, up to the He-Ne-laser adjustments with precise xyz-alteration and additional free rotational degrees.

He-Ne-laser adjustment on Maxi-mirror mount and fixing block