

X-fiz

PHASE SHIFTING FIZEAU INTERFEROMETER



- _ innovative, high quality Fizeau interferometer with high resolution 1.3 MP camera
- _ remote controlled and positioned, motorized zoom with 10X optical magnification
- _ remote controlled and positioned, motorized focus adjustment
- _ smart electronic attenuator with automatic saturation adjustment
- _ highly rigid frame and robust opto-mechanical design ensure alignment is maintained when mounting and that alignment will be maintained over time
- _ high quality piezo phase shifter with tip-tilt TS holder, compatible with Zygo style bayonet and XONOX 4+ connector
- _ industry standard 632.8nm HeNe laser
- _ 100mm (4") and 132mm (5.2") versions available, 5.2" version compatible with XONOX 4+ series TS objectives without need of optical connector
- _ Smart Remote – innovative remote allows for quick selection of zoom, focus, and attenuation settings
- _ Smart Maintenance Concept – innovative design concept allows for change of laser and electrical components within minutes; all without opening the sensitive optical area of the system. A laser change does not require a realignment and the process can be done with the interferometer still installed within the measurement platform
- _ 1-interface Concept – industry standard USB 3.0 protocol used for all communications between computer and interferometer on a single cable
- _ USB 3.0 Interface for access to all functions via software

LASER SOURCE	632.8 nm polarized HeNe Laser / polarized / class IIIA - 3R / 2mW output
VERSIONS 4" (100mm) APERTURE	<ul style="list-style-type: none"> _ X-fiz 100 B - 4" (100mm) Fizeau Interferometer _ X-fiz 100 ST - 4" (100mm) Fizeau Interferometer with X-fringe ST static fringe analysing system _ X-fiz 100 PS2 - 4" Phase Shifting Fizeau Interferometer X-fringe2 PS phase shifting fringe analysing system TS connection for all X-fiz100 Versions: 4" Zygo type bayonet
VERSIONS 5.2" (132mm) APERTURE	<ul style="list-style-type: none"> _ X-fiz 130 B - 5.2" (132mm) Fizeau Interferometer _ X-fiz 130 ST - 5.2" (132mm) Fizeau Interferometer with X-fringe ST static fringe analysing system _ X-fiz 130 PS2 - 5.2" Phase Shifting Fizeau Interferometer X-fringe2 PS phase shifting fringe analysing system TS connection for all X-fiz130 Versions: 5.2" XONOX 4+ Interface with adapter to 4" Zygo type bayonet
CAMERA	1.3 Mpx, 8bit monochrome CMOS sensor, 210 FPS, shutter min 50µs
IMAGING SYSTEM	10x motorized zoom with positioning, +/- 3mm motorized focus with positioning
CONTROL PANEL	Wired remote controller with rotating positioning controllers for zoom, focus and contrast/attenuation
CONNECTIONS	110-240 V / 50-60 Hz
COMPUTER/SOFTWARE	High performance Dell PC, 24" touch screen, 19" live image screen, WIN10 64 bit, X-fringe2 PS / X-fringe ST
DIMENSIONS (WxHxD) / WEIGHT	310 x 285 x 530 (595 incl. phase shifter) / approx. 35kg
COLOR	Perl-light-grey RAL 9022