X-fiz



PHASE SHIFTING FIZEAU INTERFEROMETER

_ innovative, high quality Fizeau interferometer with high resolution 5MP camera and seperate 1.6MP alignment camera

Smart Interface

_ software controlled, digital zoom for optimal image processing
_ software controlled, motorized pupil focus
_ automatic exposure and gain to achieve ideal fringe contrast
_ industry standard USB protocol used for all communications between computer and interferometer
_ robust vibration damping system, prefect for use in industrial production environments

Smart Construction

_ highly rigit frame and robust opto-mechanical design ensure alignment is maintained when mounting retained over time
_ high quality piezo phase shifter with tip-tilt TS holder, compatible with Zygo style bayonet and XONOX 4+ connector
_ fiber coupled 633nm, wavelength stabilized laser

Smart Maintenance

_ automatic control of laser conserves lifetime and warns user when nearing end-of-life
_ innovative design concept allows for change of laser and electrical components within minutes (A laser change does notrequire a re-alignment and the process can be done with theinterferometer still installed within the measurement platform)

Right Sized

_ 100mm (4“), 132mm (5.2“) and 150mm (6“) versions available, 5.2“ version compatible with XONOX 4+ series TS objectives without need of optical connector

LASER SOURCE	633nm, wavelength stabilized, fiber coupled, TEC cooled, laser diode module				
VERSIONS 4“ (100mm) APERTURE	_ **X-fiz 100 Eco - 4“** (100mm) Fizeau Interferometer _ **X-fiz 100 PS2 - 4“** (100mm) Phase Shifting Fizeau Interferometer X-fringe² phase shifting fringe analysing system TS connection for all X-fiz100 Versions: 4“ Zygo type bayonet				
VERSIONS 6“ (150mm) APERTURE	_ **X-fiz 150 Eco - 4“** (150mm) Fizeau Interferometer _ **X-fiz 150 PS2 - 4“** (150mm) Phase Shifting Fizeau Interferometer X-fringe² phase shifting fringe analysing system TS connection for all X-fiz100 Versions: 6“ Zygo type bayonet				
CAMERA	5.0 MP, 8bit monochrome CMOS sensor				
IMAGING SYSTEM / OPTICAL AXIS	low distortion imaging system with motorized pupil plane focus control / optical axis height: 131mm				
CONTROLS	PC controller for live image and control for zoom and focus (saturation auto adjusted) for ECO versions - full software controll of all functions on PS2 versions via X-fringe PS2 analysis system				
COMPUTER / SOFTWARE	High performance PC, 24“ touch screen, 17“ live image screen, WIN11 64bit, X-fringe² for PS2 Versions				
DIMENSIONS (WxHxD)	310mm x 285mm x 530mm (595mm incl. phase shifter)				
WEIGHT	approx. 35kg	**CONNECTIONS**	110-240 V / 50-60 Hz	**COLOR**	Perl-light-grey RAL 9022

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iQC READY

XONOX
METROLOGY FOR OPTICS REDEFINED