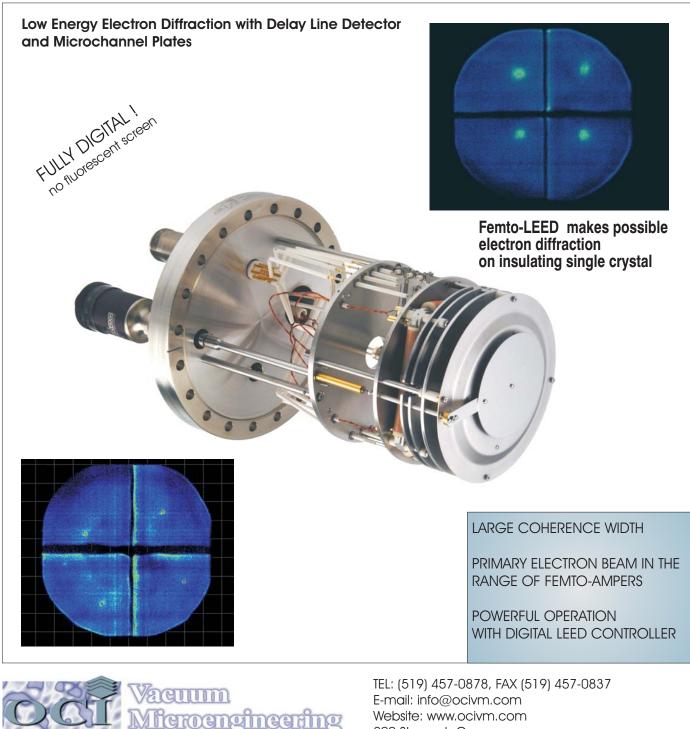


NANO-SCALE MEASUREMENTS OF SURFACE PERIODIC STRUCTURES WITH FEMTO-AMPERE ELECTRON PROBE

MODEL DLD-L800-ISH WITH INTEGRAL SHUTTER



Surface - Vacuum Analytical Instruments & Technology

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Femto-LEEC

SPECIFICATIONS

ORDERING GUIDE

LEED OPTICS (Model DLD-L800)		DLD-L800	LEED optics with 2 microchannel plates delay line detector and axial electron on 8" CF (CF150) flange
	Delay Line Detector with dynamic range 32 bit per channel, 75 microns spacial resolution and active area 145x145 mm77° angle of acceptance from sampleElectron gain: 10 ⁷ , operating in pulsed mode		
DLD-L80077° an			Integral shutter
o ,	ntric assembly of hemispherical grids g distance from sample 15 mm	LPS075-D	Power supply with voltage range 0 - 750V and digital control
Grid Material Gold co		MCPS2	Controller for microchannel plates with overvoltage
Energy Resolution 0.2%	(100 mesh, 81% transparency) 0.2%		and overcurrent protection
Linear Motion Externa	External nipple with below up to 150 mm retraction Open and close at any position of the linear motion		Controller for delay line detector and computer interface PCI card card
Integral Shutter Open a			
Magnetic Shielding Mu-met	tal cylinder with front cover for maximum attenuation	DLD-LIM32	Deley line detector acquisition software and LEED analysis software for Windows 2000/XP
	e-high-vacuum compatibility with stainless steel, high a and Au-plated copper alloy materials		
Mounting 8" (CF1	8" (CF150) conflat flange with sample distance 145 mm - 580 mm Under vacuum, 250° C maximum		

INTEGRAL MINIATURE ELECTRON GUN

Electron Source

Beam Energy	LEED - 5 eV to 750 eV
Beam Current	Range from nA to fA
Beam Size	From 250 mm to 50 μm - adjusted by Wehnelt voltage

Tungsten-2%Thoriated filament standard

Energy Spread 0.45 eV (tungsten filament) Overall Size 10 mm lens diameter and 80 mm length

MODEL DLD-L800-ISH

