



# Scanning Electron Source ES40

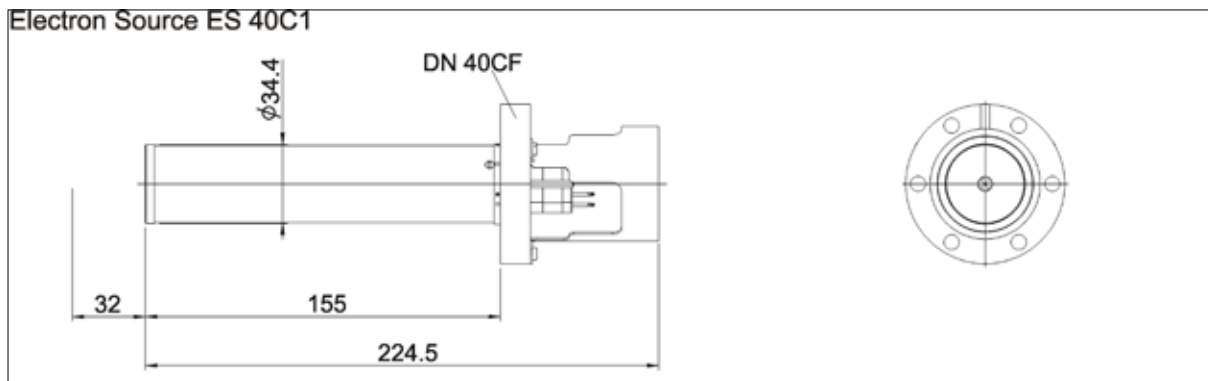
**AES & EELS  
imaging & scanning  
pulsed desorption**

fine focus  
microformed tip cathode  
high transmission Einzel lens  
20eV to 5keV  
10mm x 10mm scan area  
choice of shield materials  
custom insertion lengths  
software control

## ES40 Scanning Electron Source

### ES40 Source

Energy Range:	20eV-5kV,	resolution	1eV
Emission Current (Ie):	1-1000uA,	resolution	1uA
Focus Voltage (F):	0.6 to 1 x Ie,	resolution	0.01%
Wehnelt Voltage (Ex):	1 to 30V,	resolution	0.1V
Beam Position (Px, Py):	0-100%,	resolution	0.01%
Scan Range (Dx, Dy):	0-100%,	resolution	0.01%
Scan Speed (time/dot):	30us to 30ms		



### ES40 Interface

19 inch Rack Mounting

Large LCD Front Panel Display with Store & Recall Functions

Software Interface via RS232/422/485/USB/Bluetooth



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