

## E4 Series "Change Disk" Rotating Disk Electrode

Document LMECE4

**E4 Tip with shaft for AFMSRX Rotator**

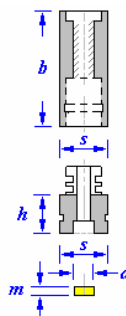
AFE3M Shaft  
1/4-28 thread

Disk Diameter (d): 5.0  
Shroud Diameter (s): 12.0  
Length of Tip (t): 38.5  
Screw Thread Type: 1/4 - 28  
Overall Length (l): 173.7  
Shaft Length (y): 151.9  
Upper Shaft Length (x): 118.6  
Upper Shaft OD (w): 6.35  
Lower Shaft Diameter (v): 12  
Sheath Length (z): 16.6

- Use the electrode only at temperatures from 10°C (50°F) to 25°C (77°F).
- Rotating electrodes must be mounted securely in the rotator. While mounting, do not apply excessive force to the Teflon shroud as this may cause the shroud to slip along the shaft of the electrode.
- Rotating electrodes should be submerged at least 5 mm (0.2 in) below the surface of the solution.
- Rotating electrodes should be mounted in such a way that they do not rub against surfaces (such as the inner wall of the cell).

Disassembled E4 Tip Dimensions:

Disk Diameter (d): 5.0  
Disk Thickness (m): 1.2 to 4.0  
Shroud Diameter (s): 12.0  
Length of Tip (t): 38.5  
Length of Body (b): 29  
Length of Disk Holder (h): 9.5  
Screw Thread Type: 1/4 - 28



- Consult the attached instructions before disassembling the quick-change tip.
- The portion of the tip in contact with the solution (the disk holder) is fabricated from Teflon. The upper portion (the quick-change body) is made from KEL-F, which is incompatible with tetrahydrofuran and some chlorinated solvents (such as chloroform and carbon tetrachloride).

**MAXIMUM ROTATION RATE  
2,000 RPM**

**E4 Tip with shaft for AFASR Rotator**

AFE3A Shaft  
1/4-28 thread

AFE4T Quick-Change Tip

Disk Diameter (d): 5.0  
Shroud Diameter (s): 12.0  
Length of Tip (t): 38.5  
Screw Thread Type: 1/4 - 28  
Overall Length (l): 204.4  
Shaft Length (y): 182.6  
Upper Shaft Length (x): 82.6  
Upper Shaft OD (w): 18.3  
Lower Shaft Diameter (v): 12  
Sheath Length (z): 16.6

\*Reference dimensions given in millimeters; however, electrodes are actually machined using the nearest English dimensions. Custom electrodes with other dimensions are available upon request.