

Materials List for

The Traceable Calibration of Thrust Stand by Electrostatic Force

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Materials

| Name | Company | Catalog Number | Comments |
|---------------------------------------------------|--------------------------------------|----------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Motorized linear stage | Zolix | TSA50-C | Resolution 0.625 µm |
| Capacitance bridge | Andeen-Hagerling | AH2550A | Resolution 0.8 aF, Accuracy ±5 PPM |
| High voltage source measure unit (SMU) instrument | Keithley | 2410 | Precision 0.012%, ±5 μV- ±1100 V |
| Laser interferometer | Renishaw | RLE10 | Resolution 10 nm |
| Circular parallel plate capacitor | Processed by high precision grinding | | The plates are processed by high precision grinding of aluminum alloy. The diameter of plate A is 6 cm, and the diameter of plate B is 4 cm. |
| Thrust stand | Processed by high precision grinding | | Pendulum type thrust stand |