Electron Source for RHEED

RHEED-12

RHEED guns from STAIB Instruments provide unique electron optics systems for diffraction studies. RHEED-12 features full electrostatic electron optics and electrostatic beam deflection. The source is μ metal shielded.

Key features

- Energy range 500 eV to 12 keV
- Beam current (max.) 30 μA
- Beam size (min.) 100 μm at low current and 150 mm WD and max. energy

Characteristics

- Working distance 50 mm – 500 mm
- Basic beam blanking
- Beam blanking, external (optional)
- Computer control (optional)
- Remote control

Not all parameters can be reached simultaneously. Above specifications may change without notice. Pictures / diagrams for reference only.

Typical Applications

MBE
Cathodoluminescence

Related Products

Fluorescent screens
Screen shutters
Magnetic shielding for the beam path
Filaments
Pre-mounted, pre-aligned cathode units

Products

- RHEED
  - Standard RHEED Systems
    - **RHEED-12**
    - RHEED-15
    - RHEED-20
    - RHEED-30
    - RHEED-35
    - RHEED-40
    - RHEED-50
    - RHEED-60
  - TorrRHEED™ for PLD, Laser MBE, CVD
  - Specialized RHEED Systems
  - RHEED Accessories
  - RHEED Software and Control
- AUGER / XPS / EELS / REELS
- Electron Sources
- Ion Sources
- X-ray Source
- Energy Analyzers & Imaging Energy Filters

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