

규격서

1. 적용범위

이 규격서는 한국기계연구원에 설치하는 Energy Dispersive X-ray Spectrometer 장비 공급에 대하여 적용한다.

2. 품명 및 규격

2.1 품명 및 수량

2.1.1 Energy Dispersive X-ray Spectrometer : 1 set

- Detector, Signal Processing Unit, Operation/Measurement S/W, PC/Monitor

2.2 규격

2.2.1 Detector

- LN2-free high-speed detector
- SSD detector, 10 mm² active area
- Energy resolution < 133 eV (MnKa, 100 000 cps), stable at 1-100 000 cps
- Up to ten times faster than conventional So(Li) detectors
- Slew window, detection of all elements from Boron(5) to Americium (95)
- Vibration-free, maintenance-free Peltier cooled

2.2.2 Signal processing unit / PC and Monitor

2.2.3 Software

- Software for spectra acquisition and qualitative analysis with real-time mode
- Automatic software tools for standardless quantitative spectra analysis
- Extended spectra analysis options for expert user
- Editor for user defined spectra evaluation method
- Image acquisition
- Ultra-fast spectra line scan with PTS functionality
- Ultra-fast digital element mapping
- Automatic multipoint and object analysis
- Data management and filing system
- Report generation and printing formatting
- Data communication with SEM

3. 납기 : 계약 후 90일 이내

4. 검수 : 자체 시험성적서 및 operating manual

5. 하자보증기간 : 납품후 1년

6. 납품장소 : 지정장소