

# 구 매 규 격 서

## Commodity Description

종목 번호 Item No.	관세분류 번호 HSK No.	정부물품분류번호(8자리) Korean Government Commodity Classification Code(eight-digit)	품 명 Description	단 위 Unit	수 량 Q'ty
1	9024.10.5000	41114674	5kN 정밀형 만능재료시험기 (5kN Precesion Universal Tester)	set	1

### I. 용도(End-user's Use)

1. This equipment is used to test, up to 5 kN, the tensile strength and compressive strength of cables, rubber, resin, polyvinyl chloride, polyethylene, metallic materials etc.
2. This equipment shall be designed and build to comply with standards such as ISO/IEC, ASTM, BS, IIS, DIN, EN, UL etc.

### II. 장비의 구성(Configurations of Goods)

1. 본체(Main body)
  - Main Unit : 1 set
  - LCD color touch panel controller : 1 set
  - Automatic contact extensometer : 1 set
  - Data processing software : 1 set
  - Pneumatic grips : 1 set
  - Grip(jaw) faces : 1 set
2. Accessories(부속장비)
  - Data processing unit(PC) : 1 set

### III. 성능 및 규격(Performance and Specifcation)

1. Type : Table-top type
2. Load capacity : 5 kN or more
3. Load accuracy :  $\pm 1$  % or less

- 4. Vertical test space : 1,150 mm or more
- 5. Horizontal test space : 420 mm or more
- 6. Position precision :  $\pm 0.15$  % or less
- 7. Test speed range : (0.01 ~ 1,000) mm/min or wider
- 8. Test speed accuracy :  $\pm 0.2$  % or less
- 9. Max. Return speed : 1,200 mm/min or more
- 10. Frame stiffness : 35 kN/mm or more
- 11. Data sampling Rate : 300 Hz or more
- 12. Automatic extensometer
  - ① Measurement range : 560 mm or more
  - ② Measurement accuracy :  $\pm 0.5$  % or less
  - ③ Gauge length : (20 ~ 550) mm or wider
  - ④ Holding(clamping) force : (0 ~ 2.5) N or wider
- 13. Data Processing System
  - ① Operating System : Windows 7 Professional or later
  - ② Data processing software
    - Data acquisition(measurement), processing, analysis, management, etc.
    - Report generation
  - ③ Data processing unit(PC)
    - CPU : i5 or later
    - RAM : 4 GB or more
    - LCD Monitor : 24" or larger

#### IV. 기타 조건(Remarks)

- 1. Two copy manuals in English or Korean for operation and maintenance
- 2. Installation and training
  - ① Location : 84, Yeonhwa-ri, Osan-myeon, Gokseong-gun, Jeollanam-do, Republic of Korea

- ② Installation and training should be provided by contractor's qualified engineer at the customer site.
- 3. Contractor shall submit a KOLAS calibration report
- 4. Final Acceptance Test should be done by contractor at KTC's site.
- 5. One year warranty after the issue of KTC's final acceptance certificate
- 6. The bidder have to submit the published standard brochure(or catalogue) for reviewing the bid proposal.
- 7. 100% by irrevocable letter of credit at sight.(90% after shipping and 10% after inspection)