

**Specification 1412HF**  
**COMMODITY DESCRIPTION**

HS code.		Product Name		Quantity
9027-30-2000		OPTIZEN 1412HF		

**A. Feature**

1. 7-Filter Type Clinical Chemistry Analyzer
2. Free voltage type
3. Absorbance, End point, Kinetic etc.,
4. life-long durability : grating type ( no need to change filter)

**B. Specification**

1. CALCULATION MODE (Ver. 1412HF )
  - Absorbance/Concentration
  - End Point with Factor or standard.
  - Enzyme Kinetic with Factor or standard
  - Fixed Time with Factor or standard
  - Storage Capacity : 100 test programs
2. WaveLength : 340nm, 405nm, 505nm, 546nm, 630nm and two additional filters(optional)
3. Optical Bandpass : about 10nm
4. Photometric Range : -0.100~3.000 ABS
5. Photometric Accuracy : ±1% at 1.000ABS
6. Photometric Linearity : better than 1%
7. Photometric Noise : less than 0.001 ABS
8. Photometric Stability : ±0.003 ABS/hour
9. Light source : long life Tungsten-halogen lamp
10. Display :128 x 64 Dots Matrix Graphic LCD
11. Intake volume : 700ul default (featuring sipping volume calibration)
12. Temperature control : 37.0 °C ±0.1°C, unique PWM control algorithm with exclusively used micro-processor
13. Flow system : Peristaltic pump & 80ul flow-through cell
14. Storage capacity : 100 test programs
15. Printer : Thermal dot line print, 384 dots/line, 48mm print width with 8dots/mm resolution
16. Maximum Printing speed : 200 dot lines/sec (25.0mm/sec)
17. External interface : RS-232(Optional)
18. Power requirements : Free Voltage ( 90~245 V AC ) , 50/60Hz
19. Power consumption : 70Watt
20. Dimension : 385mm(width)×344mm(length)×180mm(height)
21. Box Dimension : 505mm(width)\*435mm(length)\*305mm(height)
22. Weight : 6.5kg

**C. Accessory (Option)**

1. Roll paper

**D. Remark**

1. Manual, Program software, tools are provided.
2. One year Warranty