



HANDBOOK OF ANALYTICAL INSTRUMENT

Product Manuals



SUPPLIER FOR KEY SPARE PARTS OF PROFESSIONAL INSTRUMENTS

SCIENCE AND TECHNOLOGY © **Meihui Technology Co., Ltd.**

COMPANY PROFILE

Established in 2008, Meihui Technology is a high-tech enterprise integrating R&D, production and sales of core components such as light source of instrument analysis and test, and is committed to R&D, production and sales of core components such as deuterium lamp and power supply, xenon lamp and power supply, PID lamp, VOC sensor, transmitter and other related products, and is the most influential supplier of core components such as light source of analysis and test instrument in China. The company's products are all over the world, serving different industries and fields such as pharmacy, chemical industry and environmental protection, and providing the most perfect solutions for equipment manufacturers. Meihui Technology has a number of independent intellectual property rights. Relying on scientific and technological innovation, it has made continuous breakthroughs in the fields of technology and application. At the same time, it has formed deep cooperation partners with internationally renowned manufacturers and universities, and is inclusive and constantly developing in the field of analysis and testing. Meihui Technology has a perfect after-sales service system, cooperates with world-renowned enterprises, and uses advanced management software to provide users with authentication services and overall solutions for data security.

Excellent improve the quality of services is our commitment to users

Professional focus service innovation is our philosophy



Deuterium lamp and power supply

◆ The principle mainly depends on plasma discharge, which means that the deuterium lamp is always in a stable deuterium element (D2 or heavy hydrogen) arc state.

◆ Deuterium lamp emits a continuous spectral range of 180–400nm in ultraviolet band. Because of its stable energy output, deuterium lamp can become a light source of high-precision analysis and measuring instrument. Therefore, deuterium lamps are often used for:

1. High pressure liquid chromatograph (HPLC- detector)
2. Thin layer chromatography
3. High-precision capillary electrophoresis instrument (HPCE)
4. Atomic Absorption Spectrometer (AAS)
5. Ultraviolet spectrophotometer (UV- VIS)
6. Environmental monitoring equipment
7. Film thickness measurement
8. Semiconductor inspection

◆ The stability of deuterium lamp is not only related to the quality of materials and power supply, but also affected by the manufacturing process of the lamp itself. The range of light wave emitted by deuterium lamp is 180–400nm, in which the range of 190–360nm is often used. In the spectrum band emitted by deuterium lamp, there are three characteristic spectral lines at 486.0–583.0–656.1 nm, which are often used to calibrate the theoretical wavelength of instruments. Generally, the measured energy spectrum distribution of deuterium lamp is related to the old and new deuterium lamp, the photomultiplier tube of the instrument, the shining wavelength of the grating, the reflectivity of the optical system and other factors.

◆ The glass shell of deuterium lamp sold by our company is mainly made of UV-transparent glass, which has the advantages of high output band (< 250nm) and the material has the characteristics of transmitting wavelengths from 190nm to 400nm, and the material library does not produce ozone. The wavelength below 190nm not only ensures the stability of energy, but also prevents the generation of ozone, and also protects the safety of people and equipment to the maximum extent.

◆ In the use of deuterium lamp, it should be noted that:

1. You can't directly touch the deuterium lamp by hand, because the surface temperature of deuterium lamp is higher than 200 °C when it works. Oil stains on the deuterium lamp shell will be permanently sintered on the surface of deuterium lamp, which will seriously affect the emission intensity and service life of deuterium lamp.
2. The radiation of deuterium lamp can't irradiate the skin for a long time, especially the eyes directly, so as to avoid the eyes from being burned.
3. The service life of deuterium lamp is also related to the quality of power supply.
4. Deuterium lamps that have not been used for a long time should be lit regularly for 30 minutes before being placed in a dry place.

Waters

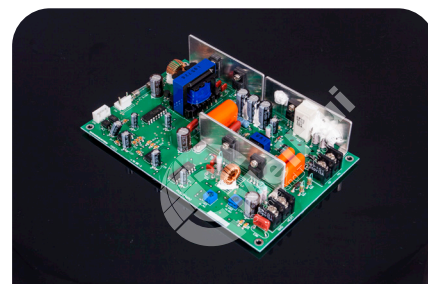
Analytical Instrument Light Source And Consumables



Waters
2489/2998(201000281/201000273)
Part No: MH82020281/MH82020273



Waters
996/2996(Wat052586)
Part No: MH82022996



Waters
2489 POWER SUPPLY HB LAMP
Part No: 700002785



Waters
484(Wat080357)
Part No: MH82110484



Waters
2487(Was081142)
Part No: MH82112487



Waters
ELSD (279000562)
Part No: MH279000562



Waters
PerfrmancePLUS Check Valve
Cartridge 2695 (700000254)
Part No: 110000254



Waters
PerformancePLUS alliance Plunger
Assembly 2695 (wat270959)
Part No: MH60270959

MEIHUI TECHNOLOGY CO.,LTD

Agilent Analytical Instrument Light Source And Consumables



Agilent
1100/1200/1220/1260DAD
(2140-0820/2140-0813)
Part No: MH82220820



Agilent
1290(5190-0917)
Part No: MH82220917



Agilent
1100/1200/1260VWD
(G1314-60100/G1314-60101)
Part No: MH82010100



Agilent
Sapphire plunger rod 1220/1260/1290
(5067-4695)

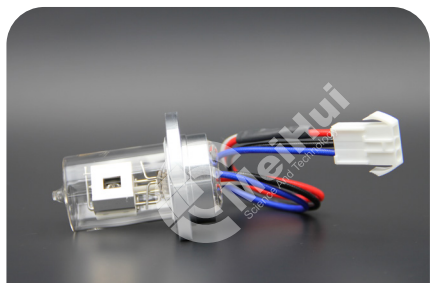


Agilent
Active inlet valve core (5062-8562 400
Bar)



Agilent
Active inlet valve core (G1312-60020
600Bar)

Shimadzu Analytical Instrument Light Source And Consumables



Shimadzu
SPD-10A/20A/15C(228-34016-02)
Part No: MH8200010



Shimadzu
LC-2010(228-37401-91)
Part No: MH8200210



Shimadzu
LC-2030/2040 (228-63621/228-63621-01)
Part No: MH82002030/MH82002040



Shimadzu
M40/LC-2050 (228-63621-02)
Part No: MH82002050



Shimadzu
M30A(228-54515)
Part No: MH82054515



Shimadzu
LC-40(228-73407)
Part No: MH82073407



Shimadzu
UV-3700/3600/2700/2600/2550/2450/
1700/1800/1240/1280(062-65055-05)
Part No: L6380



Shimadzu
Xenon lamp
Part No: MH8120000(*)

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Thermo Fisher Analytical Instrument Light Source And Consumables



Thermo fisher
UltiMate 3000VWD(6074.1110)
Part No: MH82226999



Thermo fisher
Vanquish VWD/DAD(6077.1110/6083.1111)
Part No: MH60771110/MH60831111



Thermo fisher
ICE 3500(9423-420-30004)
Part No: MH82024204



Thermo fisher
Vanquish VH-D1(6083.1110)
Part No: MH60831110



Thermo fisher UltiMate
3000VWD(6074.2000/6083.2000)
Part No: MHWL6074



Thermo fisher
EV300 QUIET XENON LAMP UPGRADE S
Part No: MH81200300

HACH Analytical Instrument Light Source And Consumables



HACH
DR5000/6000 ALL(A23792)
Part No: MH82205000



HACH
DR5000/DR6000 ALL (A23778)
Part No: MH43023778

Hitachi Analytical Instrument Light Source And Consumables



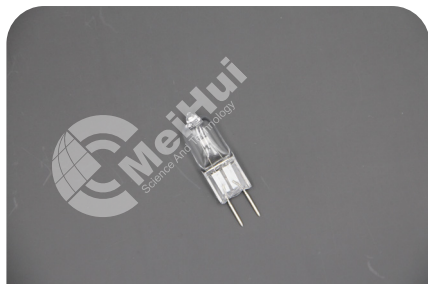
Hitachi
LC- VWD (890- 2430/892- 2550)
Part No: MH81022430



Hitachi
primaide VWD (2J1-1500/891-2733/239-0354)
Part No: MH81021500



Hitachi
primaide DAD (2J1-1500/893-4755)
Part No: MH82224755



Hitachi
Tungsten lamp WL (885-1200)
Part No: 43235005



Hitachi
Xenon lamp
Part No: MH8120000(*)

JASCO Analytical Instrument Light Source And Consumables



JASCO
970B/975B, 1570/1575, 2070/2075 (5330-0091B)
Part No: MH82000091



JASCO
970A/975A (5330-0092)
Part No: MH82000092

AB SCIEX

Analytical Instrument Light Source And Consumables



AB SCIEX
MDQ Series/PA 800/PA 800 plus (144- 667)
Part No: MH82220251



AB SCIEX
DU730
Part No: MH82205000



AB SCIEX
CE-SDS Gel Buffer (A30341)
Part No: MH-A14303



AB SCIEX
UNIVERSAL VIAL CAPS (A62250)
Part No: MH-A05226



AB SCIEX
VIAL COMMON MOLDED (A62251)
Part No: MH-A15226



AB SCIEX
PCR VIALS (144709)
Part No: N8010533



AB SCIEX
10kDa Internal Standard (A26487)
Part No: MH-A78462

Analytik-jena Analytical Instrument Light Source And Consumables



Analytikjena
EA5000
Part No: 11-0402-001-21



Analytikjena
SPECORD PLUS
Part No: 820-60274-C



Analytikjena
SPECORD 2xx (PLUS)/ 50 (PLUS)/ 40/30,
SPECORD S 600, S 100, SPEKOL 1200
Part No: 820-60021-0



Analytikjena
SPECORD50/200/210/250 PLUS
Part No: 820-60267-P



Analytikjena
AAS (10-405-502)
Part No: MH80405502

proteinsimple Analytical Instrument Light Source And Consumables



ICE
iCE3proteinsimple CIEF(102-235)
Part No: MH82012235



ICE
Maurice
Part No: L10671D



ICE
Maurice Power Supply
Part No: L10671P

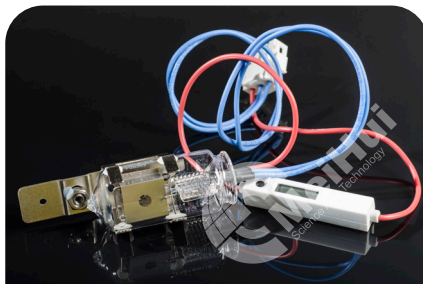
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PerkinElmer

Analytical Instrument Light Source And Consumables



Perkin Elmer
Series 200 UV/vis (N2900484)
Part No: MH81020616



Perkin Elmer
Lambda Series (L6022728)
Part No: L6022728



Perkin Elmer
Series 200 UV/vis (B0114620)
Part No: B0114620



Perkin Elmer
365 Series N4101036
Part No: MH82221036



Perkin Elmer
365 Series N4101037
Part No: MH82221037

PUXITONGYONG

Analytical Instrument Light Source And Consumables



PUXITONGYONG
UV1800/1900
Part No: L6302-40



PUXITONGYONG
T9
Part No: L6301-50



PUXITONGYONG
T6
Part No: L6312-53

other

Analytical Instrument Light Source And Consumables



ECOM
Part No: MH8200076



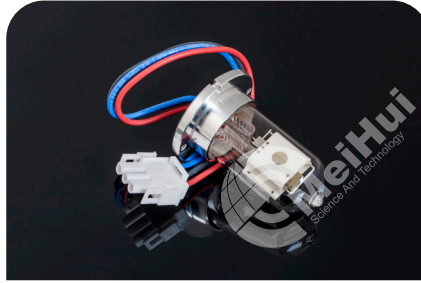
Galvanic
943-TGX H2S/SO2 (L6311-50)
Part No: L6311-50



ISCO
RF75Series
Part No: MH82118001



SSI/TSP/Altech
Part No: MH81218008



D2 PLUS
XD5565-10J
Part No: 80133124



D2 PLUS Multifunctional power supply
Part No: 80000252



SCINCO
S-3100
Part No: MH80139864



SCINCO
S-3100
Part No: MH63000001



Suntek
Part No: MH81220011



Gilson

118/119/151/152/15(2026-3-10-100326)

Part No: MH81229156



Gilson

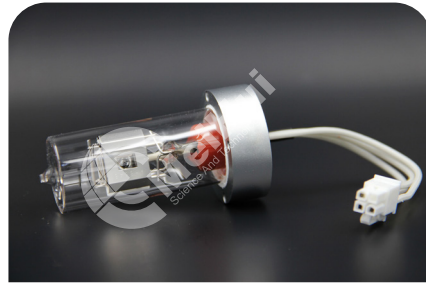
159 (14002021)

Part No: MH81229159



FULI

Part No: L6302-53



BIOTAGE

Interchim(SD1191-01J)

Part No: MH82000075



BIOTAGE

selekt

Part No: MH82000074



CHUANGXINTONGHENG/BEIFENRULI

Part No: MH82010256



Knauer 2501

ALL

Part No: MH82024071



Knauer

2520/2550

Part No: MH82012520



LISUI

Part No: MH82065651

other Analytical Instrument Light Source And Consumables



DAZHONG
Part No: L6565-57



DAZHONG
Part No: OPLA-I20



RIGOL
Part No: MH82023000



WUFENG
LCUV-100
Part No: MH82010110

MEIHUI TECHNOLOGY CO.,LTD

XENON FLASH LAMPS

Scintillation xenon lamp



Xenon lamp module 5W
ALL
Part No: MH50013650



Xenon lamp module 2W
ALL
Part No: MH50013651

PID Light source



PID
PKS106/PKR106
PKR106-6-14



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