

机 密 87

仪器進口商品价格参考手册

化 工 仪 器

(一九五六年补充本)

内部刊物 ★ 注意保密

(第五分册)

中 國 仪 器 進 口 公 司

北 京 西 郊 二 里 溝

1956 年

說 明

一，本手冊系補充一九五五年出版的价格参考手冊；內容包括一九五六年進口的商品以及一九五六年進口价格有變動部份。共分五冊：

第一分冊：电工電訊測量仪表

第二分冊：有綫無綫通訊設備

第三分冊：物理儀器

第四分冊：光学儀器

第五分冊：化工儀器

二，价格以盧布為單位。各國盧布与人民幣的折合率：蘇聯、民主德國、捷克為 0.95 元。匈牙利、波蘭為 0.80 元。价格条件：蘇聯商品為滿洲里或蘇蒙邊境交貨价（自二連進口的）。東歐各新民主主義國家商品為波蘭港口艙面交貨价。不屬於以上价格条件的，均在備註欄內說明。

三，本手冊為內部參考資料。望各使用單位指定專人負責保管，嚴格注意保密，並不得翻印。

四，本手冊的編制時間短促，遺誤之處在所難免希參閱單位予以指正。

一九五五年七月

化 工 仪 器

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實 驗 室 儀 器

順序号	品 名	規 格	國 別	單 位	單 價 (盧布)	重 量 (公斤)	備 註
5-001	恆溫槽	T C—24恆溫器充滿蒸餾水時最高溫度 為 99°C充滿油時為—200°C	蘇	台	1,725.00		
5-002	低溫箱 Material test Cabinet	Material testing chamber for alternating temperatures type M61. Useful volume: abt. 0.25 cu.m. Dimensions of the useful room: width abt. 0.6 m height abt. 0.6 m depth abt. 0.7 m Temperature range to be adjusted —70°C up to +100°C at F 22. —61°C up to +100°C at F 12, Cooling time: +20°C to —70°C in 3 hours at F 22, +20° to —61°C in 3.5 hours at F 12 Heating time: —70°C to +100°C in 1.5 hours. All values are given without taking into consideration the develop- ment of own heat of the testing instru- ments. Outside dimensions of the test cabinet, height abt. 2.30 m. width abt. 1.47 m, depth abt 1.96 m. Required space: height abt. 2.35 m. width abt. 2.00 m depth abt. 5.10 m. Electric connections: abt. 25 kw Cooling water demand: abt. 600 ltrs. h. at abt. +10°C Cooling water mentry temperature 12°C Weight of the plant, net abt. 5200 kg gross 8200 kg Kind of the cur- rent: three phase current/5- cycles Vol- tage: 220/380 Volt Required refrigerant fill- ing: abt. 70 kg Measuring conduits: 30 pcs. 25 amp. 500 Volt 2.5 2 Cu.	德	套	46,256.00		
5-003	溫度試驗箱 Humidity test chamber	Humidity test chamber FPK 2700 Technical data: 1. 1 Room dimensions: height: 1500 mm width: 1000 mm	"	"	195,129.00	毛重 9105.00	

順序号	品名	規 格	國 別	單 位	單 价 (盧布)	重 量 (公斤)	備 註
		depth: 1800 mm Capacity: 2.7 cu. m. 1.2 Temperature: Lowest temperature: +10°C Maximum temperature: +60°C The heating from the lowest to the maximum temperature will take 15 or 20 minutes. 1.3 Pressure: The plant wil operate under normal atmospheric pressure. 1.4Humidity: We can keep the relative humidity in the limits between 10 to 96 percent at an exactness of +3% 10 per cent rel. humidity can only be attained when keeping the condensation point. The exactness depends on the accuracy of the control instruments which we receive. The relative humidity of 10 to 96 per cent can be attained and automatically regulated for all degree of temperature. 1.5 Operation load: The chamber is suitable for an additional load of 7.5 kw for the above range of temperature. 1.6 Measuring mains: Number of ampere voltage frequency veins 4 veins 1 20 kv 10 " 5 500 " 5 " - - 60 cycles					
5-004	超級恆溫器 Ultra-Thermostat	Type E 3 complete with 1 set of thermometer and etui 1 piece of cold accumulator complete	德	套	748.43	毛重 70	
5-005	培养箱 Incubators	Type "BS 102" Electically heated, with automatic control of the temperature, indefinitely variable from 12 to 80°C. with great accuracy of the temperature regulation (constancy ±0.1°C)	"	"	1,262.52	淨重 40 毛重100	

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5-006	恆溫器 Thermostat with water cooling	Type "LP" it is designed for maintaining a constant temperature within a range of about +4 up to 55°C, the degree of temperature being adjustable according to requirements. Hoating radiator: 220 V max. 800 W. width 600 mm, height 500 mm depth 400 mm, the water tank width 430 mm. height 350 mm, depth 250 mm.	捷	套	1,365.00	毛重 120	
5-007	恆溫水槽 Thermostatic Water bath	Type "JP-45" can be switched over 120 or 220 V. A.C. power input is 180 W temperatures can be adjusted to 37°C 38°C 45°C and 56°C temp. range 0.1°C	"	"	604.80	毛重 35	
5-008	常溫水槽 Water Bath	Constant temperature with electric heater stirring Type "JP-45" Range of temperature 37°C 38°C 45°C 56°C and 100°C	"	"	784.80	毛重 35	
5-009	恆溫箱 Thermostat Incubator	Type th3 double door inner space 800 × 600 × 500 electrical heating for 110-200 V—Temperature must keep the range from 20-40°C.	匈	"	1,460.00	毛重 65	
5-010	大型恆溫水浴 Large Constant Temperature Bath	Type: ERSZA-138 Inside space 450 × 330 × 440 mm Temperature range: 0-60°C. Accessories A Thermometer for 0 to 60°C and a connecting rubber plex of 1.5 m length	"	"	840.00	毛重 45	
5-011	迴轉油真空泵	"ΦH—11" 型为 "PMHB—500 × 12" 型水銀整流器用备件	苏	个	2,160.00		
5-012	真空泵	KBH—4 型, 在抽空 440 厘水銀柱时, 抽水量 0.33 立方米/分。帶 A 41—4 型电动机, 电压 380 伏特, 功率 1.7 千瓦, 1500 轉/分。帶 П—222 型磁起动器, K—12 型操作盤和白热之件。	"	套	1,083.00		

順序号	品 名	規 格	國 別	單 位	單 价 (盧布)	重 量 (公斤)	備 註
5-013	水銀泵	“PH—31”型如“PMHB—599 × 12”型水銀整流器用备件	苏	个	1,200.00		
5-014	擴散蒸汽水銀真空泵	Д PH—50”型，全部用金屬制成，在抽空 1×10^{-4} 水銀柱時，抽水量為20升/秒，真空度為 5×10^{-6} 至 1×10^{-6}	”	”	1,700.00		
5-015	离心污水泵	“AP—60”抽水量24立方米/小時 壓力 20 米水柱，在台板上帶 A51—4 型電動機，電壓 380 伏，功率 4.5 瓩，1450 轉/分帶 П—222 磁力起動器，白熱之件及备件	”	套	1,910.00		
5-016	循环泵	Kat. No. 7720 100 mm Gehäusedurchmesser mit 2 KPG—Dichtungslagern “AP-60”	德	”	107.10	淨重 20 毛重 50	
5-017	兩級旋轉高真空泵 Two-stage Rotary high vacuum pump	No. 88020 sucking capacity: 2 m ³ /h final vacuum: 5×10^{-4} Torr with monophase A/C motor 220 V. with oil filling	”	个	756.00	” 30 ” 50	
5-018	兩級旋轉高真空泵 Two-stage Rotary High Vacuum Pump	With three-phase motor 22/380 volts, need for capacity: 250 watt, Oil filling for above: 1.6 lts. and with Accessories: 88010, 82011, 88013, 88014, 88015a, 88015c, 88171a, each one pc.	”	”	1,126.66	” 50 ” 80	
5-019	水銀擴散泵 Mercury Diffusion Pump	Model QD 11/110 E 220, with built-in electrical heating suction feed 110 cbm/h.	”	”	324.00	” 2 ” 17	
5-020	水銀擴散泵 Mercury Diffusion pump	Type Q 12, 50 m ³ /h. end vacuum: better than 10^{-6} Torr, with electric heating	”	”	165.89		
5-021	油擴散泵 Oil Diffusion pump	Model 0 21 suction speed: 5 cm ³ /h. without heating. with 5 lts. diffusionspump-oil	”	”	832.03		

順序号	品名	規格	國別	單位	單 价 (盧布)	重 量 (公斤)	備 註
5-022	油擴散泵 Oil Diffusion pump Stands	1. Three-stage Oil Diffusion pump Type 32/3 T. Sucking capacity 350 m ³ /h at a vacuum of 5×10^{-4} Torr. limit vacuum 10-3 Torr. 2. Oil fillings and spare for the diffusion pump (0.5 lts. Luvecol oil incl. packing.) 3. sets of spare parts for above pump, con- sisting of: 1 set of rubber rings each, 1 hot-plate, 1 membrane. 4. Rotary High Vacuum Oil Air pump, Sys- tem DEVAG, in oil enclosed special execu- tion for a limit vacuum up to 5×10^{-4} Torr. when using a pump oil with 5×10^{-3} Torr. steam part pressure, type 40/1 for 4-5 Nm ³ /h. 5. Oil filling 5 lts. 6. set of spare parts, consisting of loothed wheels, centrifugal governor, pressure valves slide springs, oil level eye, gasket. 7. Complete valve and switch-over sets, 8. Combined electric vacuum measuring sets type KUI.	德	套	7,376.83	淨重 78.5 毛重 110	
5-023	低壓泵 Low-Pressure Pump	According to Höppler	"	个	13.59		邮运
5-024	石蜡擴散泵 Paraffin Diffusion Pump.	CHIRANA, 10 l/sec.	捷	套	278.10		
5-025	水銀擴散泵 Mercury Diffusion Pump	Type CHIRANA LP M.x. Vacuum: 10^{-6} mm Hg. without vacuum oil pump	"	"	606.66		
5-026	充油旋轉真空泵 Oil-filled Rotary Vacuum Pump.	Model 202, line voltage 220 v. A.C.	"	"	725.30		
5-027	抽气設備 Air pumping set	Type Chirana, a mueti-purpose: a rotary oil type air pump driven by an electric motor,	"	"	1,264.00	淨重 52 毛重 97	

順序号	品名	規格	國別	單位	單 价 (盧布)	重 量 (公斤)	備 註
5-028	“恩格拉”式光澤石油蒸餾器	and a stand for a paraffin type air pump and pilot vacuum tube lamp. Capacity of rotary oil pump: $3\text{m}^3/\text{hr}$. Highest vacuum: 10^{-2} mm Hg. (air pump operating alone) Highest vacuum: 10^{-6} mm Hg. (rotary and diffusion operating simultaneously) each pumping set is supplied together with sufficient oil for filling the pump.	苏	套	119.50	淨重 24 毛重 47	
5-029	高压低溫蒸餾器	Apparatus according to Podbieiniak quantified determination of benzin derivate, for fractional distilling in vacuum, consisting to: 1 pc. Rectifying with Hahn's top, silver-plated, with strau-strip, consisting of: a) column b) Imporka top 1 pc. T-piece with hook grinding 14.5 1 pc. Dewar-vessel (cooling-vessel), silver-plated cylindrical 300/100 mm 1 pc. feet for Dewar-vessel 1 pc. precision rod-thermometer for Hahn's top-250 up to $+30^{\circ}\text{C}$. 1/2 stem diameter 4-4 mm, stem length 250 mm. upper part 12 mm, round sealed by molting 1 pc. thermometer for cooling-vessel, laboratory thermometer for refrigeration measurements No. 11 b. -220 up to $+30^{\circ}\text{C}$. 1/1 1 pc. precision-rod-thermometer for jaket-vessel-150 up to $+30^{\circ}\text{C}$: 1/1, stem diameter 6 mm, stem length 250 mm upper part 12 mm diameter, round sealed by molting 1 pc. precision rod internal thermometer with 1 N-hook-ground cone 14.5 1 cock A DENOG 22 b 2.5 mm	德	"	5,027.40	淨重 28 毛重 200	

順序号	品名	規格	國別	單位	單 价 (盧布)	重 量 (公斤)	備 註
		1 pc. ditto with N-hook-ground shell pointing upwards 14.5 12. pc. condensation vessel with 2 szako-with N-hook-grinding 14.5 (shell left hand, cone right hand) 6 pc. Dewar-vessels for above condensation vessels, cyl. chromium-plated, 250/50 mm 1 pc. rinsing attachment with 4 cocks Jena glass 3 pc. Gas collecting vessels in special construction, on top with Karlsruhe capillary cock, below with Karlsruhe Karlsruhe bent pipe cock with exact indication of contents, 10 ml. 3 pc. ditto 500 ml. 3 pc. ditto 750 ml. 3 pc. ditto 1000 ml. 3 pc. Gas collecting vessels to 6 liters, consisting to: Jena piston No. 4305/6 rubber-stoppers 55 Ø with Karlsruhe bent pips cock 1 pc. bottle from emaile 290-300 mm Ø 3 pc. Glass-sprins with N-hook-ground 14.5 (shell left hand, cone right hand) 1 pc. Gas measurement and adjustable-capillary, total app. 50 mm each with 1 N-hook-shell 14.5 and 1 N-hook cone 14.5 i. dia. 0.50 mm. 0.75 mm. 1.25 mm. 1.50 mm. 1.75 mm. 2.00 mm. 2.50 mm. 1 pc. Connection T-piece for rod type internal manometer (item 10) with a pair of hook-ground 14.5 (shell left hand and cone right hand) and 1 cock pointing down A DENOG 22 b 2.5 mm, with N-hook-ground cone 14.5					

順序号	品名	規格	國別	單位	單 价 (盧布)	重 量 (公斤)	備 註
		1 pc. cook piece with connections for vacuum pump and for Hg-differeatial pump with 2 Karlsruhe bent pipe cocks and 1 three way cock D DENOG 24 b 2.5 mm. and 1 N-hook-ground cone 14.5 for silicagel-vessel 1 pc. silicagel drying-vessel of Jena instrument-glass with cock A DENOG 22b 2.5 mm and N-hook-ground shell 14.5 1 pc. shortenod Hg-vacuum motor without scale with 1 pair of N-hook-ground 14.5 (sheel left hand, cone right hand) 1 pc. Hg-collections-vessel with 2 cocks A DENOG 22 b, 22.5 mm, 2.5 mm. 1 pc. Three stage Hg steam jet pump with built in electric heating QD 11/056/ 1 pc. N-ground shell size 45 1 pc. Hg-pump (stock-pump) consisting of the following components: a) flasks with 3-N-ground shell b) 3 hand clamps for the bottle hooks c) 1 contact pipe with N-hook grinding 19 and platinum continuum contacts d) pump body with riser with N-hook grinding 24 N-hook cone 19 e) 1 single bentcapillary tube for gas burette f) 1 U-tube with N-hook-ground cone 10 and 1 N-hook-ground shell g) 1 U-tube with 1 N-hook-ground-shell, size 10 and N-hook-ground cone 24 h) 1 non-return valve with N-hook-ground cone 19 i) 1 metal tank for the flask item 36 a j) 1 Hg-vessel with N-hook-ground shell 24 and cock. 1 pc. Gas-burette with molten-in platinum connections, complete, consisting of: a) Gas burette b) rubber-stopper with bore of 4 mm diameter c) 1 shortened					

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5-030	蒸餾器 Distilling App.	Hg-vacuum meter d) 1 meter rubber-hose (vacuum) app. 5 mm i. dia. e) 1 level flasks 250 ml. f) 1 squeezing cock acc. to Mohr 60 mm 5 meter vacuum hose 5 mm i, dis. 1 pc. adjustable plate stand on iron tripod 1 pc. box of Ramsey grease viscous 1 pc. bar of Oicein 50 pc. ground surface springs for 14.5 30 pc. for condenser-vessels ground surface springs	德	套	1,890.00	淨重 60 毛重 125	出厂价
4-031	双重蒸餾器 Aqua-bi-dest. Apparat	Water Distilling Apparatus "Kelch" arranged for electric heating (A/C) and a capacity of 30 lts. per hour, consisting of: 1 ion distilling bubble, built-in electric immersion radiators for a consumption of power of abt. 27 kw. equipped with copper, inner-tinned conic immersion covers, 1 copper, inner-tinned spiral sheet cooler for condensation and refrigeration of 30 lts. of distillate per hour, 1 copper feeding arrangement working continuously, the mounting and tube connections insides of the apparatus according to attached photo J 167, sheet 2.	"	个	252.51	" 25 " 50	
4-032	透明水銀蒸餾器 Vacuum Distillator	quecksilber-distillations App. Nr 554.	"	"	223.56	" 2	
5-033	水銀蒸餾器 Vacuum Distillator	Quantity 200-300 cc Volume for mercury method, (Vacuum Reiniger).	"	"	156.00	" 6 " 80	

順序号	品名	規格	國別	單位	單 价 (盧布)	重 量 (公斤)	備 註
5-034	試驗室用真空分餾裝置 Tinned copper vacuum distillation apparatus	as per attached photo (without Vacuum pump) with a capacity of 4 liters, arranged for electric heating (A/C) The distillate bubble is to be mounted on an electric heating plate, consisting of: a) 1 copper distillate bubble with a capacity of 4 liters, resting on an electric heating plate with 2 kw current taking, equipped with screwed lid (cover) and Raschig ring filling b) 1 copper tinned cooling coil with iron cooling case in the necessary size c) 1 tinned, copper vacuum receiver (collecting vessel) with a capacity of 4 liters, equipped with vacuum-meter, aerating and emptying cock d) 1 spyglass for controlling the current of the distillate out of the cooler, built-in between the cooler and the receiver	德	套	1,379.10	淨重 15 毛重 35	陸运
5-035	分餾柱 Normal kolonnen mit Thermometer	Kat. No. 8140.	"	个	354.45	" 25 " 60	
5-036	蒸餾柱 Jenaer Destillations kolonnen mit Thermomern	Schott & Gen. Kat, No. 8146	"	"	351.12	" 25 " 60	
5-037	蒸餾水分析器 Wasserbestimmung apparat	Apparatus for the determination of water ater ASTM.	"	套	93.70		
5-038	煤焦油測水份儀 Apparatus for determination of water content in coal tar	Apparatus for determination of content in coal tar 2 piece spare club 500 ml. Ns 26.	"	"	15.45		

順序号	品名	規格	國別	單位	單 价 (盧布)	重 量 (公斤)	備 註
5-039	水份仪 Apparate zur Wasserbestimmung in teer	Apparate zur Wasserbestimmung in teer, bestehend aus Eisengläse mit Ablaufend, Tropftrichter aus Kupfer und Burette mit Kuhler	德	套	72.00		出厂价
5-040	莫氏水分分析器 Schenllbestimmer Nach Moller	zur Fouchtig Keitsbestimmung Vom Foraang Kompl. Mess 1/718 p1/fd.	"	"	525.30	毛重 74	
5-041	微量沸点测定器 Mikro-Siedepunkt Bestimmung	Micro-apparatus for the boiling determination by Beckmann-Pregl with micro-thermometer for compensation 6 filling tubes and pistil presses	"	"	402.19		
4-042	貝氏沸点测定仪 Sidepunkt-Best Apparat	Beckman boiling point determination apparatus for gas heating compl.	"	"	223.75	" 65	
5-043	分方量测定器 Apparatus for freezing Point Determination	for determination of molecular Weight (Gefrior Method)	"	"	403.70	" 65	
5-044	測硫計 Sulphumeter	Sulphumeter for simple control of chromium baths regarding their content of sulphuric acid and sulfate, consisting of: measuring device, meascuring cell, connection leads with plugs, 50 spare measuring kathods and trunc.	"	"	440.64		
5-045	硫量測定裝置 Microanalytic-determination of halogene and sulphur	3 pcs. filtering-apparatuses for halogen-silver-halide, consisting to: suction-piston-250 cc, glass-tubes and eprouvettes, pict. 37 Pregl-Roth 9 Jena filtering tubes 9 Jena filtering tubes with number 30 rubber-stoppers with hole 10 mercur tubes 9 airfilter pict. 39 pregl-Roth 10 rubber-cleaner with long rod	"	"	622.04	淨重 8.5 " 35	

順序号	品名	規格	國別	單位	單 价 (盧布)	重 量 (公斤)	備 註
		10 halogen-glass-tubes with balls from porcelain 3 burettes 10:1/20 cc with automatic nullsuspension with connection on flask, pinch-cock with dropping-capillary 1 combustion-stand with-gauze 1 burner angular 1 metal-block with cover 1 pinch-cock precise 2 stands with clamp for counter of bubble and absorbing-tubes. 2 forks for weighing of absorbing-tubes 1 micro-burner, drying-block and thermometer 1 tecu-burner with chimney 2 forks for absorbing-tubes.					
5-046	快速酒精測定計及附件 Alcohol Test tuerst Ebuliometer with Alcometer and Table	Alcohol test tuerst Ebuliometer with alcometer and table from 0.1-10.25% (Alkoholbestimmungsapparat)	德	套	181.44		
5-047	乳化度測定器 Emulgierbarkeits apparat	Apparatus for Determination of Emulsifiability after ASTM for testing emulsifiability of oils with glass piston two water baths of glass two test glasses three thermometers vapor induction pipes of glass stand gas ring burner and clamps	"	"	136.10	毛重 45	
5-048	氣體比重測定器 Apparatus for determination of sp. gr. of gas	apparatus as per Schilling pannertz for determination of density of gases with platinum out let diaphragm	"	"	77.00	" 25	
5-049	微量空氣儀 Mikro-Sticksfoffestimmung	Micro-determination of nitrogen according to Dumes pregl combustion method 1 pcs complete set micro acotometer with certificate according to pregl 1.5 cc: 1/100	"	"	375.55		

順序号	品名	規格	國別	單位	單 价 (盧布)	重 量 (公斤)	備 註
		1 pcs magnifying glass 2 pcs cocks capability with long handle 6 pcs combustion tubes 58 cm from Supre-maxglass 10 pcs rubber stoppers with hole 10 pcs weighing glasses with long handle from aluminium Pregl Roth pict. 29 3 pcs capability tubes U-form from the Kipp apparatus 1 pcs apparatus according to kipp with Fritte Pregl Roth pict. 28 1 pcs combustion stand with wire gluze and rolls from wire gauze 1 pcs burner angular 1 pcs burner with chimney					
5-050	金屬液体空气容器 Metal liquid-air reservoir	Metall-Dawar-Gefaesse Transport u. Aufbewahrung sgefaesse fuer fluessige Gase versilbert	德	套	173.10		
5-051	微量活性氫測定器 Mikro-Apparatur zur Bestimmung des aktiven Wasserstoffs von H. Roth	Micro-Apparatuses for determination of active hydrogen according to Roth (pict. 59 Kuhn-Roth) consisting to: 1 piece burette precise 4:1/100 ml with leveling-bulbs of mercury 10 ml with hose and thermometer 1 piece shaking glass with connections The whole apparatus is surely erected on a heavy wood-stand with a waterproof-plate and mercury outrun. The niveau vessel is gliding on a rail and is to be connected moveable at each desired height. Compensation parts 20 pieces shaking glasses Jena glass 2 m glass tube vacuum	"	"	737.84		

順序号	品名	規格	國別	單位	單 价 (盧布)	重 量 (公斤)	備 註
5-052	氨基酸类测定器 Apparatus Zur Bestimmung der Aliphathischen Aminogruppen	Apparatus to determination to the Aliphathic Aminogroups according Van Slyke (Apparate z. Best der Aliphathischen Aminogruppen)	德	套	380.60		
5-053	微量测定甲基器 Mikro Methylimide Apparat.	Apparatus for determination of Micro-Methylimid acc. Pregl. pict 37 A compl.	"	"	82.70		
5-054	甲氧基乙氧基测定器 Mikro Methoxyl and Ethoxyl App.	Apparatus for determination of micro-Methoxyl-and Ethoxyl (Pregl-Roth) acc. Viehboeck-Schwapeach compl.	"	"	39.50		
5-055	丙醯基試驗儀器 Group Test App. for Acetyl.	Apparatus for determination of Acethyl groups acc. Pregl. pict. 39 compl.	"	"	98.30		
5-056	微量乙醯测定器 Micro Acetyl-Goetze K-G Leipzig	Micro-apparatus for determination of Acethyl-group according Kuhn-Roth (complete glass-apparatus)	"	"	420.33		
5-057	碘价测定器 Gertzur Berstimmungder Jedzohl	Apparatus for determination of Jodzahl according Hanne compl.	"	"	83.80		
5-058	活潑氫原子测定仪 Active hydrogen apparatus	1 apparatus for determination of Active hydrogen according the Method of Tschgaef and Zerwittinoff modification to Roth (Literatur C Woygand Organisch Chemische Experimentierkunst 2 Auflage Verlag: Johann Ambrosius Barth 1948 sheet 699 consisting to: 1 piece burette with menometer 0-7: 1 100 ml. into water-jacket with thermometer with cack for nitrogen and shaking glass with connection corresponding springs.	"		745.45		