KINTEK SOLUTION

Electrochemical Electrode Catalog

Contact us for more catalogs of Sample Preparation, Thermal Equipment, Lab Consumables & Materials, Bio-Chem Equipment, etc.

KINTEK SOLUTION

COMPANY PROFILE

>>> About Us

KinTek Group Limited is one technology orientated organization, team members are devoted to probing the most efficicent and reliable technology and innovations in the scienticfic researching equipment, fields like biochemical reacting, new materials researching, heat treatment, vaccum creating, refrigerating, as while as pharmaceutical and petroleum extracting equipment.

Platinum Auxiliary Electrode For Laboratory Use

Item Number: ELPA

Introduction

Optimize your electrochemical experiments with our Platinum Auxiliary Electrode. Our high-quality, customizable models are safe and durable. Upgrade today!

Learn More

Features	Corrosion Resistant
Applicable temperature range	0 ~ 80℃
Wire diameter	0.5 / 1mm
Material	pure platinum
Customize material (gold, silver, platinum, copper) and rod length to your needs.	

Features	Corrosion Resistant
Applicable temperature range	0 ~ 80℃
Wire diameter	0.5 / 1mm
Material	PTFE Rod + Platinum Wire
Customize material (gold, silver, platinum, copper) and rod length to your needs.	

Features	Corrosion Resistant
Applicable temperature range	0 ~ 80℃
Size	5*5~ 50*50mm
Material	PTFE Rod + Platinum Mesh
Pure platinum wire braided mesh electrode, high purity and large surface area.	

Features	Corrosion Resistant
Applicable temperature range	0 ~ 80℃
Wire diameter	1mm ~ 2mm
Material	PTFE Rod + Platinum
Customize material (gold, silver, platinum, copper) and rod length to your needs.	

Ultra-Vacuum Electrode Feedthrough Connector Flange Power Electrode Lead For High-Precision Applications

Item Number: KT-VA09

Introduction

Discover the Ultra-Vacuum Electrode Feedthrough Connector Flange, perfect for high-precision applications. Ensure reliable connections in ultra-vacuum environments with advanced sealing and conductive technology.

Learn More

Parameter Description	Options
Flange specifications	CF16, CF25, CF40, CF63, CF100, KF16, KF25, KF40, KF50, KF63 (customizable)
Lead length	100mm, 200mm, 300mm, 500mm, 1000mm (customizable)
Maximum operating temperature	400°C (customizable)
Maximum operating pressure	10^-10 Pa
Sealing material	Ceramic, metal

Cf Kf Flange Vacuum Electrode Feedthrough Lead Sealing Assembly For Vacuum Systems

Item Number: KT-VA08

Introduction

Discover high-vacuum CF/KF flange electrode feedthroughs, ideal for vacuum systems. Superior sealing, excellent conductivity, and customizable options.

Learn More

Parameter Description	Options / Specifications
Flange specifications	CF16, CF25, CF40, CF63, CF100, KF16, KF25, KF40, KF50, KF63 (customizable)
Lead length	100mm, 200mm, 300mm, 500mm, 1000mm (customizable)
Maximum operating temperature	400°C (customizable)
Maximum operating pressure	10^-8 Pa
Sealing material	Ceramic, metal

Platinum Sheet Electrode For Battery Lab Applications

Item Number: BC-09

Introduction

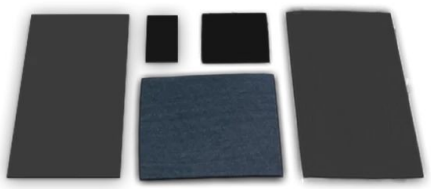
Platinum sheet is composed of platinum, which is also one of the refractory metals. It is soft and can be forged, rolled and drawn into rod, wire, plate, tube and wire.

Learn More

0.1*5*5mm	0.5*10*10mm	0.3*10*20mm	0.5*10*30mm	0.3*20*20mm
0.2*5*5mm	0.1*10*15mm	0.5*10*20mm	0.1*15*15mm	0.5*20*20mm
0.1*10*10mm	0.2*10*15mm	0.1*10*30mm	0.2*15*15mm	0.1*30*30mm
0.2*10*10mm	0.1*10*20mm	0.2*10*30mm	0.1*20*20mm	0.2*30*30mm
0.3*10*10mm	0.2*10*20mm	0.3*10*30mm	0.2*20*20mm	

Conductive Carbon Cloth Carbon Paper Carbon Felt For Electrodes And Batteries

Item Number: ELCPF



Introduction

Conductive carbon cloth, paper, and felt for electrochemical experiments. High-quality materials for reliable and accurate results. Order now for customization options.

Learn More

Model	HCP330N (hydrophilic)	HCP330P (waterproof, that is, PTFE treatment)	HCP331N (hydrophilic)	HCP331P (waterproof, that is, PTFE treatment)
Thickness	0.29±0.02mm	0.380.02mm	0.340.02mm	0.350.02mm
Size	36*18cm	36*18cm	336*18cm	36*18cm
Unit weight	160-190 g/m²	175-205g/m²	200-230g/m²	200-230g/m²
Longitudinal resistance				

Model	WIS1010	WIS1011
Thickness	0.38mm	0.41mm
Basic Weight	180g/m²	200g/m²
Air Permeahility		
Through.Plane Resistance		
Tensile Strength (MD)	10 N/cm	10 N/cm
Tensile Strength (XD)	5 N/cm	5 N/cm

Density	70-600 g/m²
Thickness size	1 ~ 12 mm
Carbon content	≥90%
Specific surface area	≥1500m²/g

Electrode Polishing Material For Electrochemical Experiments

Item Number: ELMP

Introduction

Looking for a way to polish your electrodes for electrochemical experiments? Our polishing materials are here to help! Follow our easy instructions for best results.

Learn More

Copper Sulfate Reference Electrode For Laboratory Use

Item Number: ELERCS

Introduction

Looking for a Copper Sulfate Reference Electrode? Our complete models are made of high-quality materials, ensuring durability and safety. Customization options available.

Learn More

Specifications	ceramic core / cork core
Rod material	pp
Usage	Inject distilled water on top of the powder

Reference Electrode Calomel Silver Chloride Mercury Sulfate For Laboratory Use

Item Number: ELERA

Introduction

Find high-quality reference electrodes for electrochemical experiments with complete specifications. Our models offer resistance to acid and alkali, durability, and safety, with customization options available to meet your specific needs.

Learn More

Features	Good reproducibility, accurate potential application
Applicable temperature range	0 ~ 25℃
Dimensions	The overall length is 140mm, with the upper tube measuring 9.5mm by 35mm and the lower tube measuring 6mm by 65mm.
Types	Amalgam-mercury type. It offers a neutral charge and is available in three variations: single salt bridge, double salt bridge, and bent tube.

Features	suitable for small volumes
Applicable temperature range	0 ~ 40℃
Dimensions	90mm overall length, 4*45mm in the down tube

The electrode properties are Ag/AgCl

Features	suitable for any situation
Applicable temperature range	0 ~ 60℃
Dimensions	105mm overall length, 6*45mm in the down tube

The nature of the electrode is Ag/AgCl, and the curved tube can be customized for silver chloride

Features	Potential stability
Applicable temperature range	0 ~ 60℃
Dimensions	The overall size of the unit is 140mm, with the upper tube measuring φ9.5*35mm and the lower tube measuring φ6*65mm.
Types	Ag/AgCl type, neutral electrode; there are two kinds of single salt bridge and double salt bridge

Features	use acidic electrolyte
Applicable temperature range	0 ~ 60℃
Dimensions	The overall size of the unit is 140mm, with the upper tube measuring φ9.5*35mm and the lower tube measuring φ6*65mm.
Types	Mercury type, acid electrode; there are two kinds of single salt bridge and double salt bridge

Features	Suitable for alkaline electrolytes
Applicable temperature range	0 ~ 60℃

Dimensions	The overall size of the unit is 140mm, with the upper tube measuring φ9.5*35mm and the lower tube measuring φ6*65mm.
Types	Mercury type, alkaline electrode; there are two kinds of single salt bridge and double salt bridge

Features	Suitable for long-term reactions
Applicable temperature range	0 ~ 60℃
Dimensions	The overall size of the unit is 145mm, the lower tube measuring φ9.2*120mm. Wiring is U-shaped blade
Types	The nature of the electrode is Ag/AgCI type, which can react unattended for a long time

Features	Suitable for long-term reactions
Applicable temperature range	0 ~ 60℃
Dimensions	The overall size of the unit is 145mm, the lower tube measuring φ9.2*120mm. Wiring is U-shaped blade
Types	The nature of the electrode is Ag/AgCI type, and the second liquid junction of the double junction type can be added on demand

Features	Protective electrode, easy to use
Applicable temperature range	0 ~ 80℃
Dimensions	Standard φ10*70mm, extended φ10*100mm
Types	The built-in sand core liquid junction is used to protect the electrode and reduce the liquid junction potential

Features	Protective electrode, easy to use
Applicable temperature range	0 ~ 80℃
Dimensions	Standard φ10*70mm, extended φ10*100mm

Used to protect the electrode and reduce the liquid junction potential

Features	Protective electrode, easy to use
Applicable temperature range	0 ~ 80℃
Dimensions	φ12*70mm / φ6*70mm / φ6*100

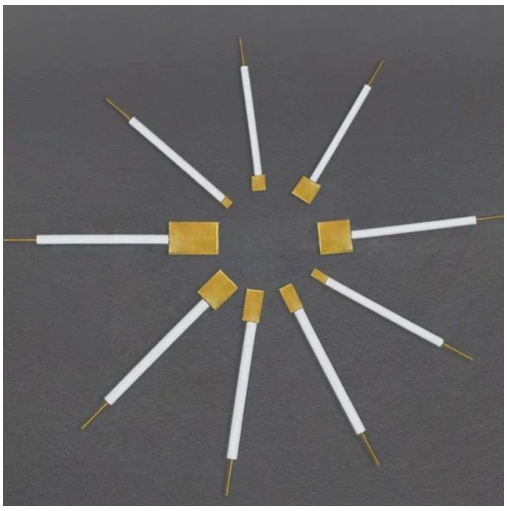
Used to protect the electrode and reduce the liquid junction potential

Features	Protective electrode, easy to use
Applicable temperature range	0 ~ 50℃
Dimensions	φ6*80mm / φ10*80mm

The guard electrode reduces the liquid junction potential

Gold Electrochemical Sheet Electrode Gold Electrode

Item Number: ELEGS



Introduction

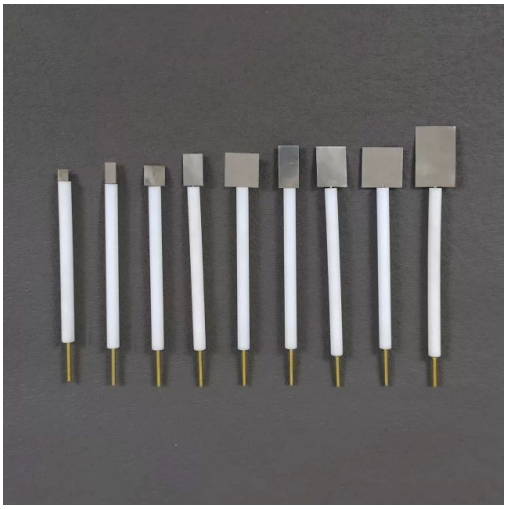
Discover high-quality gold sheet electrodes for safe and durable electrochemical experiments. Choose from complete models or customize to meet your specific needs.

Learn More

Specifications	5*5*0.1 mm ~ can be customized
Applicable temperature range	0 ~ 60℃
Rod Material	PTFE
Guide material	high purity gold> 99.99%

Platinum Sheet Electrode For Laboratory And Industrial Applications

Item Number: ELEPS



Introduction

Elevate your experiments with our Platinum Sheet Electrode. Crafted with quality materials, our safe and durable models can be tailored to fit your needs.

Learn More

Specification	5*5*0.1 mm, can be customized
Applicable temperature range	0 ~ 60℃
Rod Material	PTFE
Guide sheet material	high purity platinum> 99.99%

Gold Disc Electrode

Item Number: ELEGD

Introduction

Looking for a high-quality gold disc electrode for your electrochemical experiments? Look no further than our top-of-the-line product.

Learn More

Specifications	0.5 ~ 6mm, can be customized
Applicable temperature range	0 ~ 60℃
Rod Material	PTFE
Guide material	high purity gold> 99.99%

Glassy Carbon Electrochemical Electrode

Item Number: ELEGC

Introduction

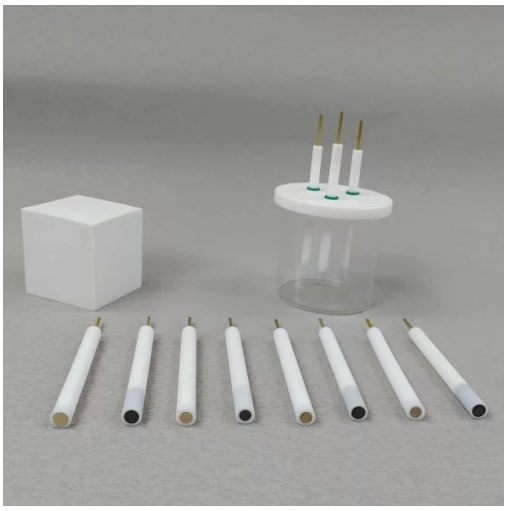
Upgrade your experiments with our Glassy Carbon Electrode. Safe, durable, and customizable to fit your specific needs. Discover our complete models today.

Learn More

Specification	Inner diameter 2~6mm, can be customized
Applicable temperature range	0 ~ 60℃
Rod material	PTFE
Material	Imported glassy carbon > 99.99%

Metal Disc Electrode Electrochemical Electrode

Item Number: ELEM



Introduction

Elevate your experiments with our Metal Disk Electrode. High-quality, acid and alkali resistant, and customizable to fit your specific needs. Discover our complete models today.

Learn More

Specification	0.5 ~ 6mm, can be customized
Applicable temperature range	0 ~ 60℃
Rod material	PTFE
Material	Any material can be customized

Graphite Disc Rod And Sheet Electrode Electrochemical Graphite Electrode

Item Number: ELEG

Introduction

High-quality graphite electrodes for electrochemical experiments. Complete models with acid and alkali resistance, safety, durability, and customization options.

Learn More

Features	10*10*3, can be customized
Applicable temperature range	0 ~ 60℃
Rod material	PTFE
Material	High-purity graphite>99.99%

Features	2*90, can be customized
Applicable temperature range	0 ~ 60℃
Rod material	PTFE
Material	High-purity graphite>99.99%

Features	Inner core φ 2-6
Applicable temperature range	0 ~ 60℃
Rod material	PTFE
Material	High-purity graphite>99.99%

Electrode Fixture For Electrochemical Experiments

Item Number: ELEF

Introduction

Upgrade your experiments with our customizable Electrode Fixtures. High-quality materials, acid and alkali resistant, and safe and durable. Discover our complete models today.

Learn More

Features	Corrosion Resistant
Applicable temperature range	0 ~ 60℃
Clamping thickness	0.1 ~ 5mm
Material	PTFE rod + platinum sheet
Two built-in 10*10 and 10*15 (can be customized to clamp 10mm samples)	

Features	Corrosion Resistant
Applicable temperature range	0 ~ 60℃
Clamping thickness	0.1 ~ 5mm
Material	PTFE rod + gold sheet
Built-in 10*10 (can be customized clip 10mm sample)	

Features	Resistant to slight corrosion
Applicable temperature range	0 ~ 60℃
Clamping thickness	0.1 ~ 5mm
Material	PTFE rod + titanium sheet
Built-in 10*15 pieces (can be customized to clip 10mm samples)	

Features	Samples can be placed in parallel
Applicable temperature range	0 ~ 60℃
Clamping thickness	0.1 ~ 3mm
Material	PTFE rod + platinum sheet
Built-in 10*10 platinum sheet (can be made of gold sheet, sheet, copper sheet, etc.)	

Features	Easy to operate
Applicable temperature range	0 ~ 60℃
Clamping thickness	0.1 ~ 3mm
Material	PTFE Rod + Alligator Clip

The chuck is made of crocodile clips, easy to use and easy to operate

Features	High temperature resistance and slight corrosion resistance
Applicable temperature range	0 ~ 80℃
Clamping thickness	0.1 ~ 3mm
Material	PEEK Rod + Platinum Sheet
Built-in φ7mm platinum sheet (can be made of gold sheet, sheet, copper sheet, etc.)	

Features	High temperature resistance and slight corrosion resistance
Applicable temperature range	0 ~ 80℃
Clamping thickness	0.1 ~ 3mm
Material	PEEK Rod + Platinum Sheet
Built-in 10*10 platinum sheet (can be made of gold sheet, sheet, copper sheet, etc.)	

Features	Can effectively inhibit the hydrogen evolution reaction
Applicable temperature range	0 ~ 65℃
Clamping thickness	0.1 ~ 3mm
Material	PEEK Rod + Glassy Carbon
Built-in 3mm imported glass carbon (note that the working voltage should not exceed 1A)	

Features	High temperature resistance and slight acid and alkali resistance
Applicable temperature range	0 ~ 80℃
Clamping thickness	0.1 ~ 3mm
Material	PEEK Rod + Platinum
Built-in 6*6 and 9*9 platinum sheets (can be customized variable diameter electrode clip 6 to 10)	

Features	Can make the sample parallel
Applicable temperature range	0 ~ 65℃
Clamping thickness	0.1 ~ 3mm
Material	PEEK Rod + Glassy Carbon
Built-in 9*9 platinum sheet (custom gold sheet, sheet, copper sheet material)	

Features	Ultra-high temperature resistant and not acid resistant
Applicable temperature range	0 ~ 200℃
Clamping thickness	0.1 ~ 3mm
Material	316L stainless steel
Stainless steel is alkali-resistant, but not acid-resistant, so attention should be paid to the nature of the electrolyte	

Features	Ultra-high temperature resistant Slight corrosion temperature range
Applicable temperature range	0 ~ 200℃
Clamping thickness	0.1 ~ 3mm
Material	Copper
Stainless steel is alkali-resistant, but not acid-resistant, so attention should be paid to the nature of the electrolyte	

Features	Corrosion resistant large contact area
Applicable temperature range	0 ~ 60℃

Clamping thickness	0.1 ~ 3mm
Material	PTFE + platinum sheet
Built-in 10*30 platinum sheet (size and material can be customized)	

Features	Suitable for soft samples
Applicable temperature range	0 ~ 60℃
Clamping thickness	0.1 ~ 5mm
Material	PTFE + platinum sheet
Built-in 5*15 platinum (size can be customized, material can be customized)	

Features	Length and size can be customized
Applicable temperature range	0 ~ 60℃
Clamping thickness	0.1 ~ 5mm
Material	PTFE + copper wire
Built-in 0.5mm copper wire (size and material can be customized)	

Rotating Platinum Disk Electrode For Electrochemical Applications

Item Number: ELEP

Introduction

Upgrade your electrochemical experiments with our Platinum Disc Electrode. High-quality and reliable for accurate results.

Learn More

Specifications	0.5 ~ 6mm, can be customized
Applicable temperature range	0 ~ 60℃
Rod Material	PTFE
Guide material	high Purity Platinum> 99.99%

Rotating Disk Electrode And Rotating Ring Disk Electrode (Rrde)

Item Number: ELER

Introduction

Elevate your electrochemical research with our Rotating Disk and Ring Electrodes. Corrosion resistant and customizable to your specific needs, with complete specifications.

Learn More

Specifications	5mm gold/platinum/glassy carbon
Applicable temperature range	10 ~ 25℃
Purity	99.99%
Guide material	glassy carbon + platinum ring
Disk electrode material	glassy carbon/gold/platinum/graphite//zinc/nickel copper/iron, etc.
Jacket material	polytetrafluoroethylene (PTFE) / polysulfone (PEEK)
Collection rate	37%
Disk area	0.2475 cm^2
Ring area	0.1866 cm^2
Platinum ring outer diameter	7.92 mm
Platinum ring inner diameter	6.25 mm

Electrolytic Electrochemical Cell With Five-Port

Item Number: ELC

Introduction

Streamline your laboratory consumables with Kintek's Electrolytic Cell with five-port design. Choose from sealed and non-sealed options with customizable electrodes. Order now.

Learn More

Specification	10ml~1000ml
Applicable temperature range	0~60℃
Sealed form	Thread / Apron
Material	Boron glass, PTFE
Openings in the electrolytic cell	Three electrode holes (6mm) and Two air holes (3mm), can be customized

Specification	10ml~1000ml
Applicable temperature range	0~60℃
Material	Boron glass, PTFE
Openings in the electrolytic cell	Three electrode holes (6mm), can be customized

Kintek Solution

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