

Battery Probe

Battery Production
High Current

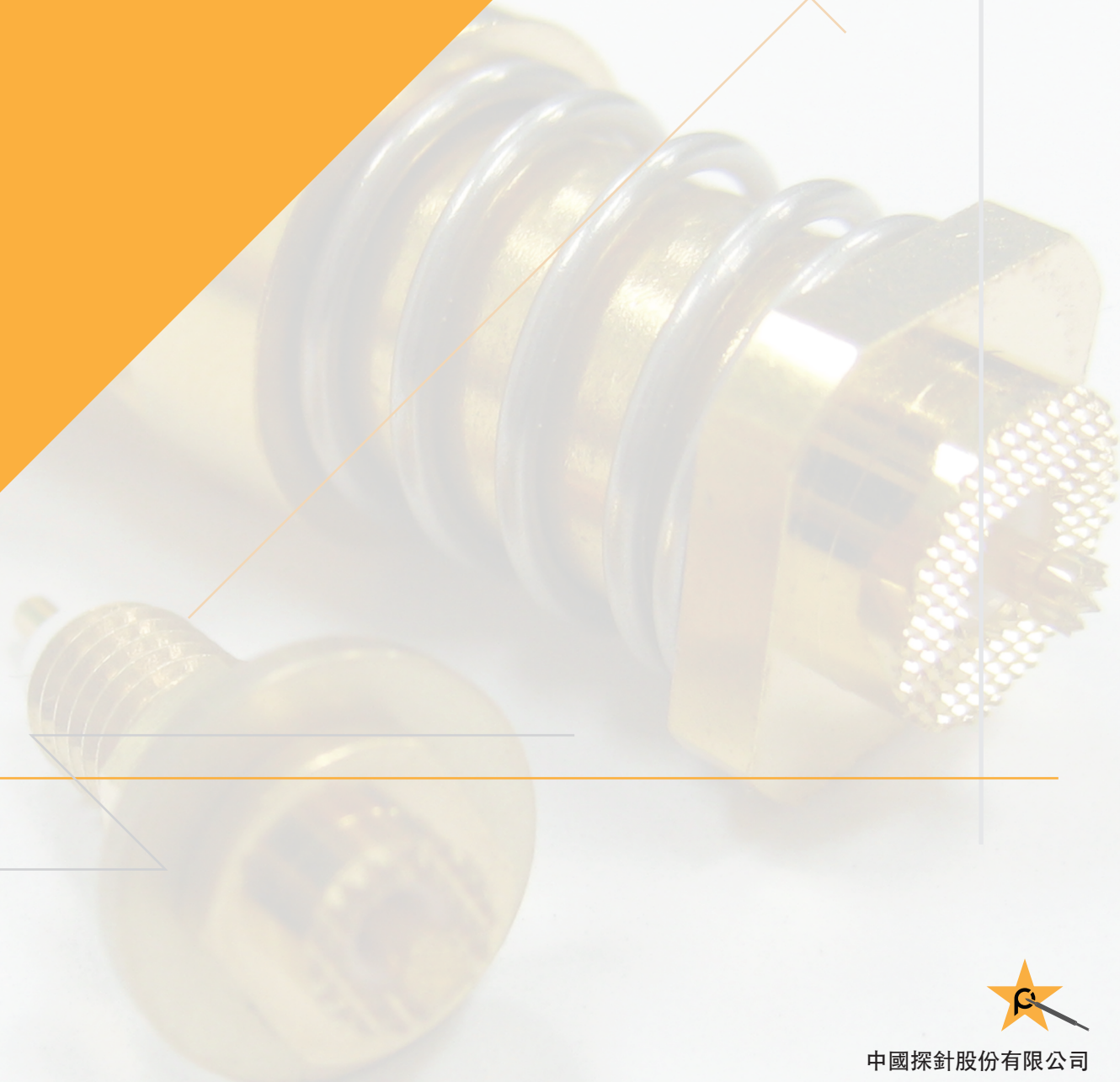


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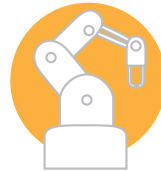
About Us: CCP

Advantages



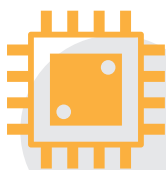
30 Years of Experience of Product Design with First-Tier Clients

Speedy and Flexible Design Process with Self-owned Turning and Plating Factory



Stable Products with Certified Quality Management System and High-end Equipment

Product Lines



Testing Solutions



High Current Connector Solutions



Commercial Connector Solutions



Industrial Connector Solutions

Probe in Battery Production

Battery Cell



Pre-Formation

Aging

Testing

Capacity
Open Circuit Voltage
ACIR

Battery Pack
Battery Module

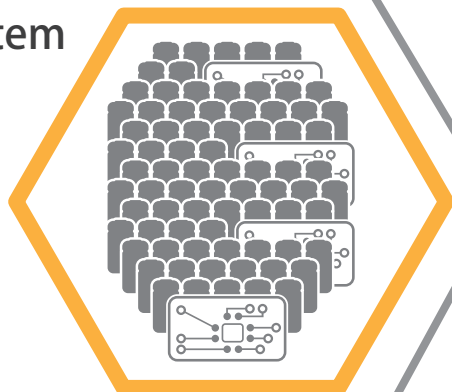


Capacity Sorting

Testing

DCIR
ACIR
Temperature

Battery System



Probe Solutions



One-Piece Probe



Coaxial One-Piece Probe



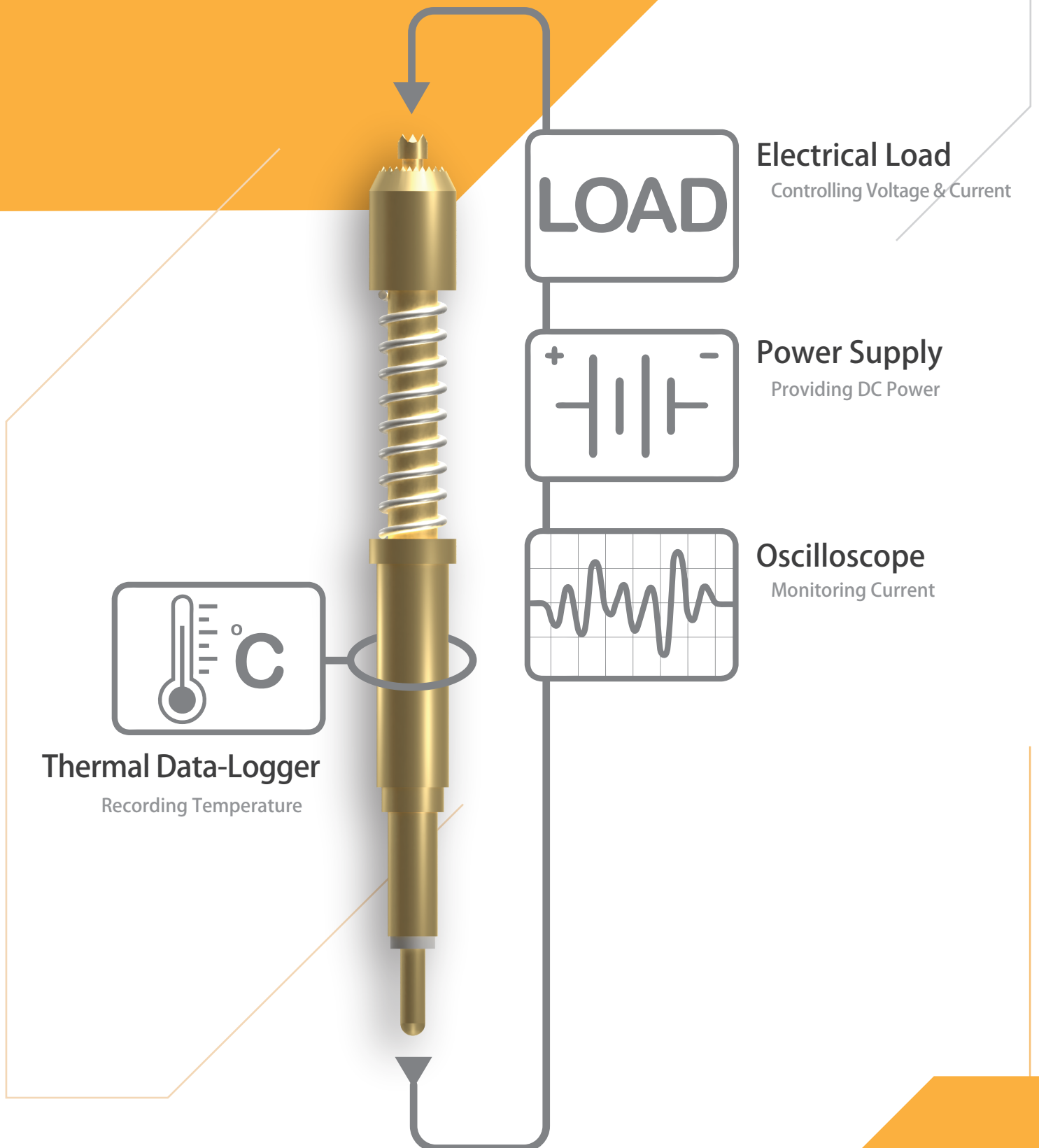
Harness Pogo Probe



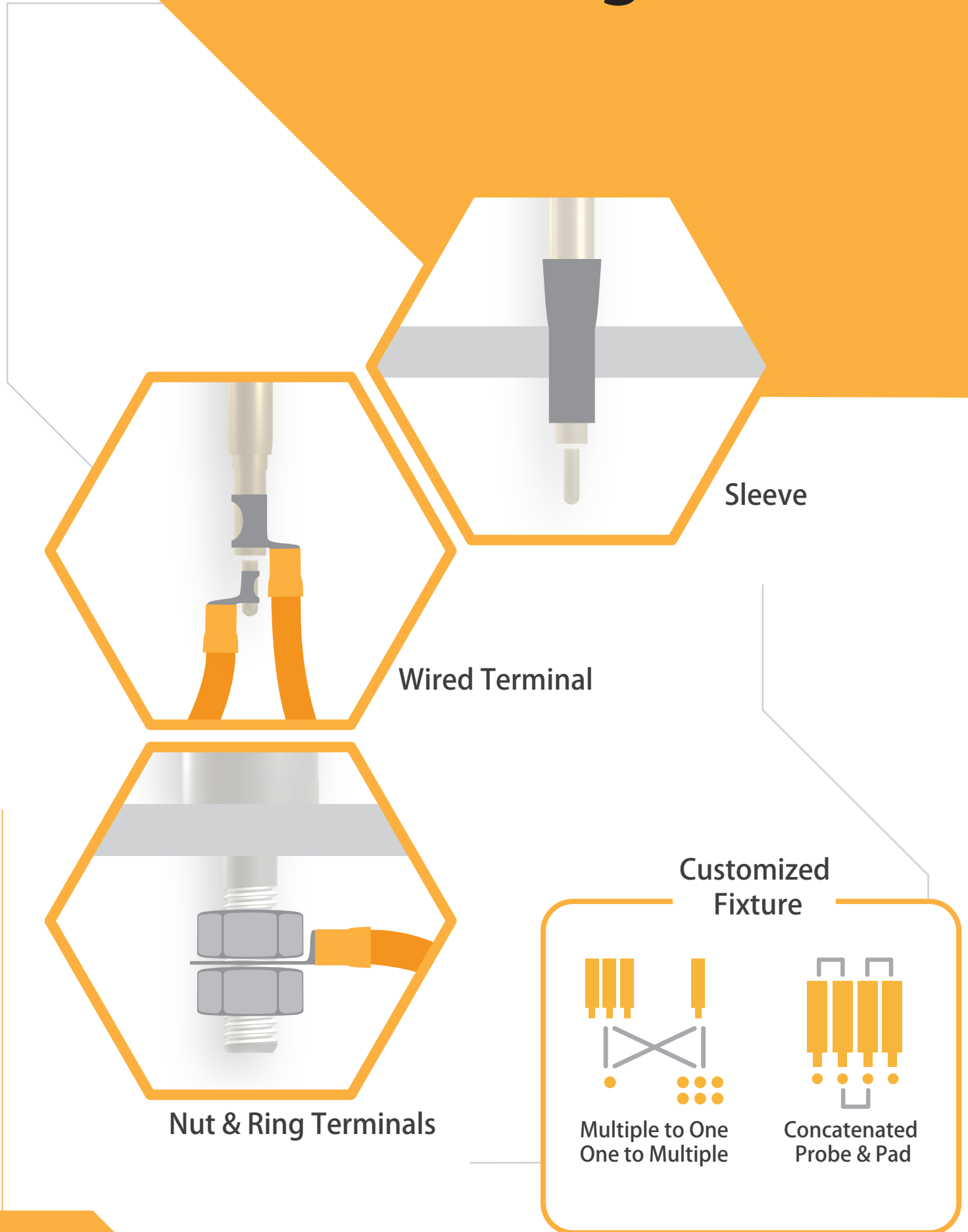
Pogo Probe

Application	Battery Cell	Battery Module/ Battery Pack	Battery Module/ Battery Pack	Battery Cell
Advantage	Low Resistance	4-Wire Measurement	Durable to Harsh Environment	Easy to Replace
Max. Current	60 Amp	200 Amp	400 Amp	30 Amp
Resistance	<1 mΩ	<1 mΩ	<1 mΩ	<30 mΩ
Temperature	-40~200 °C	-40~200 °C	-40~150 °C	-40~150 °C

Product Verification & Equipment



Assembling Methods

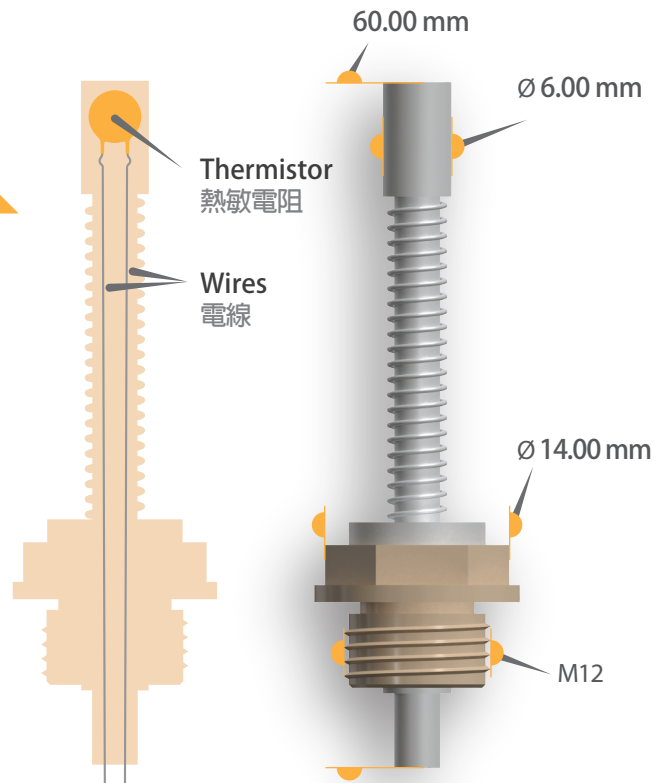


Temperature Sensing Probe & One-Piece Probe



QT-T06-200A

Temperature Range	-40 ~ 200 °C
Recommended Stroke	15 mm
Spring Force	200 g
Probe Base/ Coating	Brass/ Ni
Housing	Nylon 6 +30% GF
Spring	SUS304

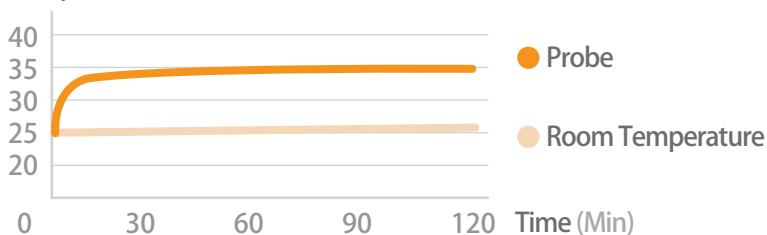


CM-M1-300-12008

Current	8 Amp
Resistance	<10 mΩ
Recommended Center	5.5 mm
Temperature	$\Delta T < 15^\circ\text{C}$

Recommended Stroke	4 mm
Spring Force	350 g
Plunger Base/ Coating	BeCu/ Au
Barrel Base/ Coating	Brass/ Au
Spring	SUS304

Temperature (°C)



**3-6
amp**

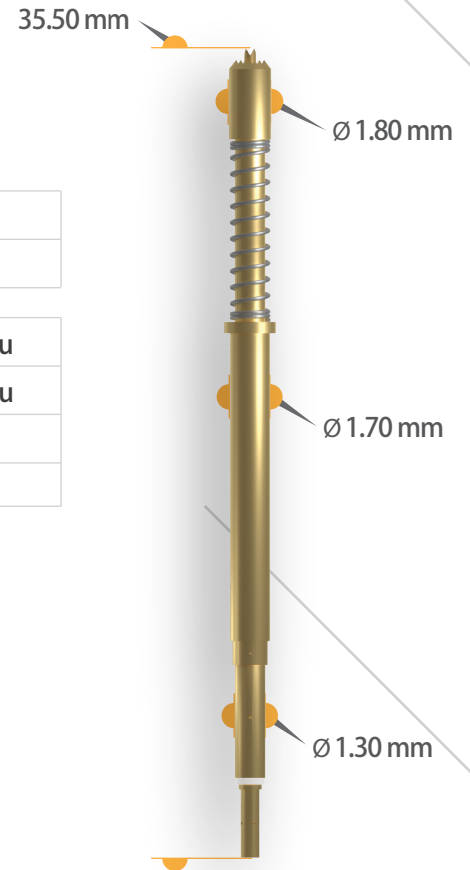
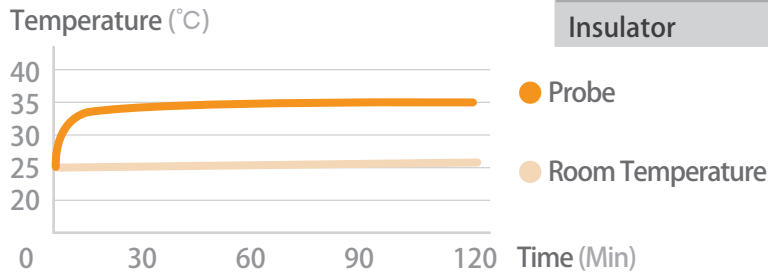
Coaxial One-Piece Probe

H003001M0

Current	3 Amp
Resistance	<10 mΩ
Recommended Center	2.5 mm
Temperature	$\Delta T < 15^\circ\text{C}$

Recommended Stroke	3.4 mm
Spring Force	100 g

Plunger Base/ Coating	BeCu/ Au
Barrel Base/ Coating	Brass/ Au
Spring	SUS304
Insulator	POM

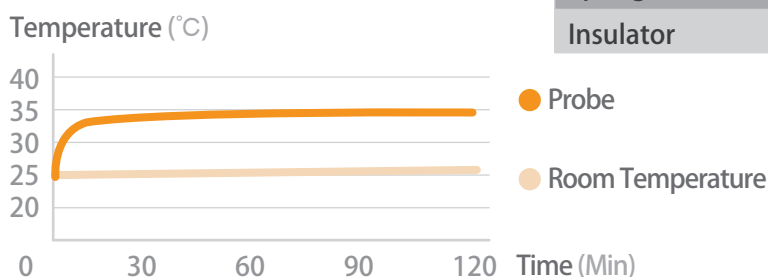


H004003M0

Current	6 Amp
Resistance	<10 mΩ
Recommended Center	8 mm
Temperature	$\Delta T < 15^\circ\text{C}$

Recommended Stroke	4.2 mm
Spring Force	250 g

Plunger Base/ Coating	BeCu/ Au
Barrel Base/ Coating	Brass/ Au
Spring	SWP
Insulator	Teflon



Coaxial One-Piece Probe

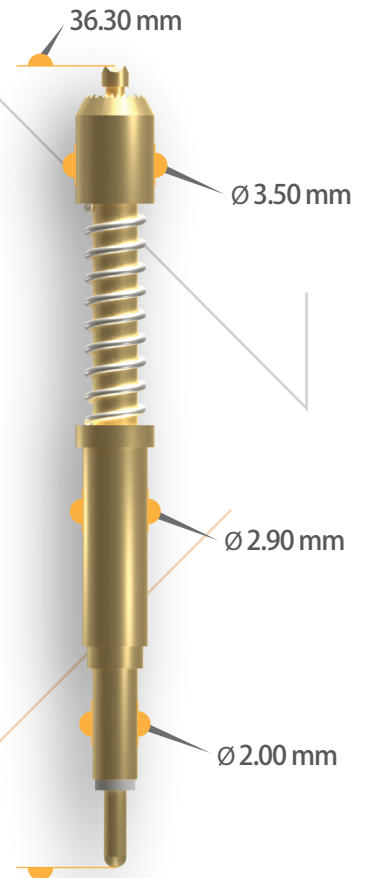
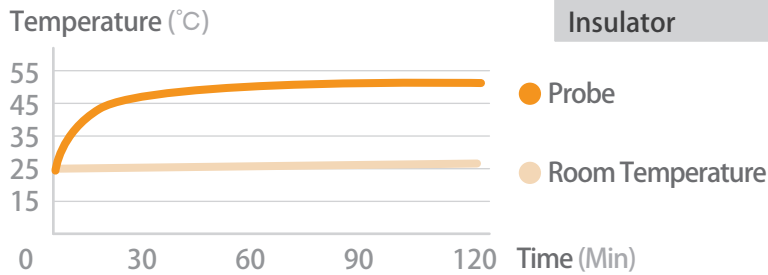
15
amp

CM-M6-350-10061

Current	15 Amp
Resistance	<10 mΩ
Recommended Center	3.7 mm
Temperature	$\Delta T < 30^\circ\text{C}$

Recommended Stroke	4 mm
Spring Force	550 g

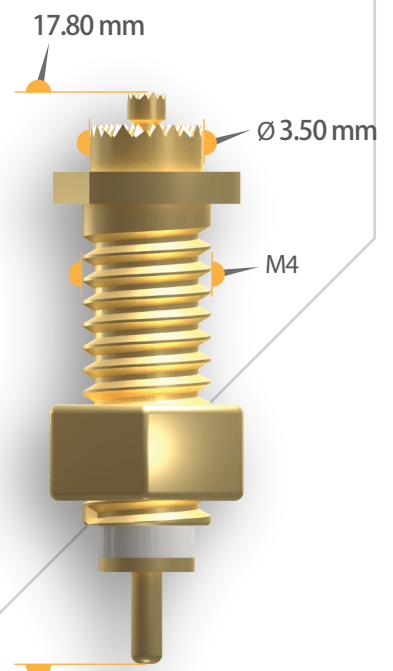
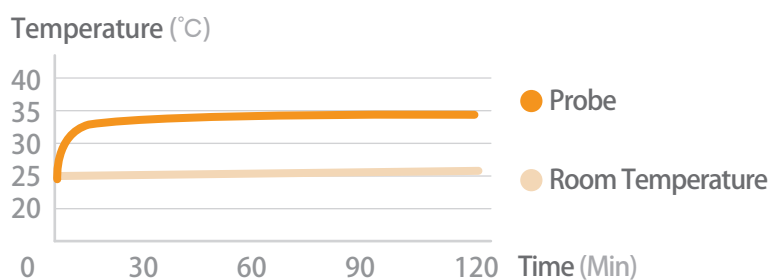
Plunger Base/ Coating	BeCu/ Au
Barrel Base/ Coating	Brass/ Au
Spring	SWP
Insulator	POM



H015001M0

Current	15 Amp
Resistance	<5 mΩ
Recommended Center	8 mm
Temperature	$\Delta T < 15^\circ\text{C}$

Plunger Base/ Coating	BeCu/ Au
Barrel Base/ Coating	Brass/ Au
Spring	SWP
Insulator	Teflon



Coaxial One-Piece Probe

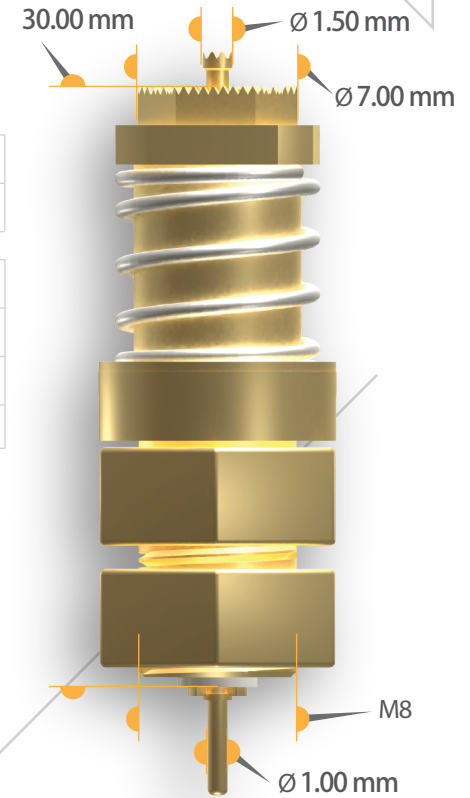
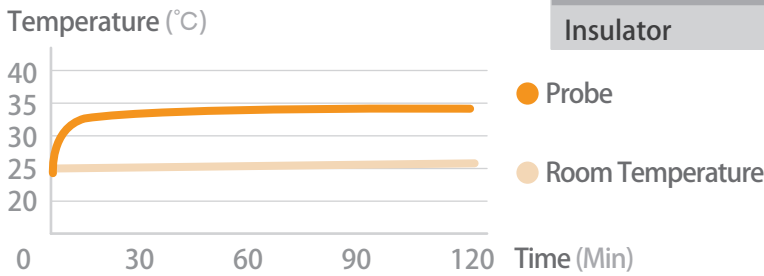
**50-60
amp**

H050002M0

Current	50 Amp
Resistance	<5 mΩ
Recommended Center	14 mm
Temperature	$\Delta T < 15^\circ\text{C}$

Recommended Stroke	4 mm
Spring Force	700 g

Plunger Base/ Coating	BeCu/ Au
Barrel Base/ Coating	Brass/ Au
Spring	SWP
Insulator	Teflon

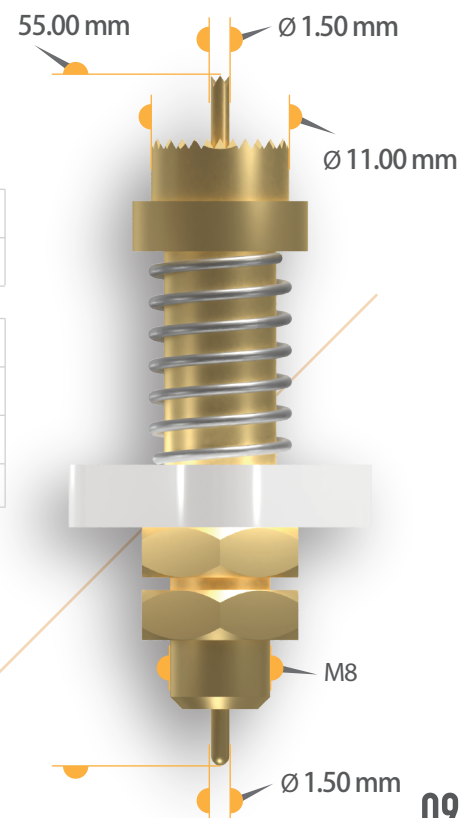
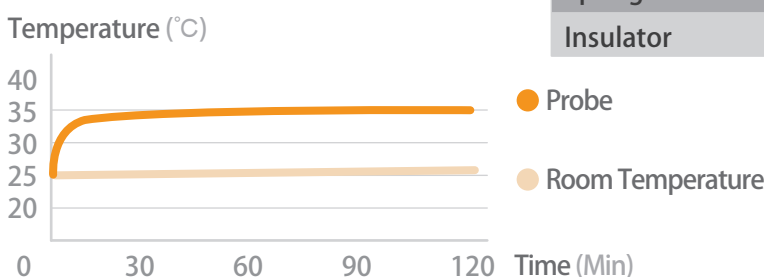


CM-M1-900-12002

Current	60 Amp
Resistance	<5 mΩ
Recommended Center	22 mm
Temperature	$\Delta T < 15^\circ\text{C}$

Recommended Stroke	5 mm
Spring Force	1200 g

Plunger Base/ Coating	BeCu/ Au
Barrel Base/ Coating	Brass/ Au
Spring	SUS304
Insulator	PTFE



Coaxial One-Piece Probe

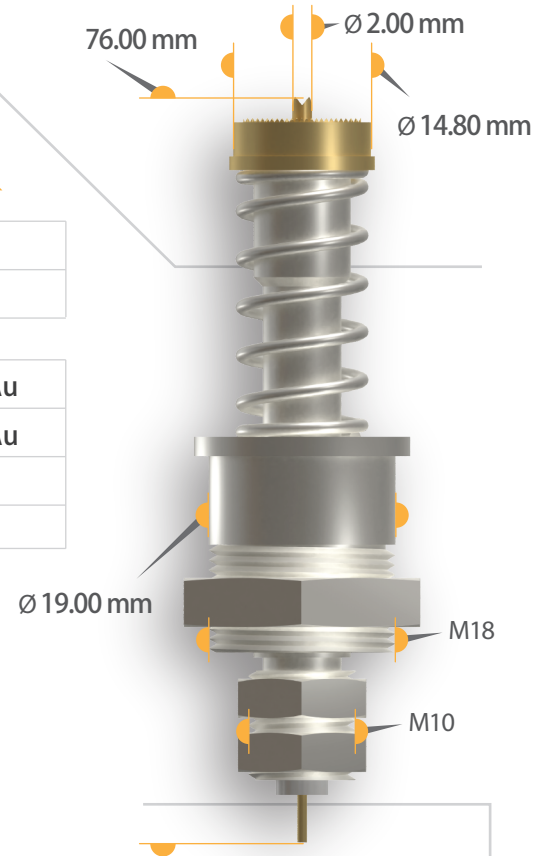
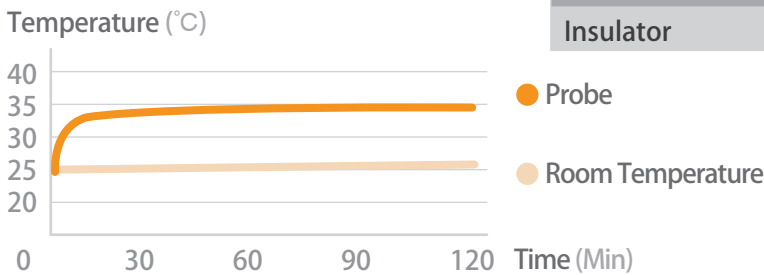
80-100
amp

H080001M0

Current	80 Amp
Resistance	<5 mΩ
Recommended Center	24 mm
Temperature	$\Delta T < 15^\circ\text{C}$

Recommended Stroke	8 mm
Spring Force	3500 g

Plunger Base/ Coating	BeCu/ Au
Barrel Base/ Coating	Brass/ Au
Spring	SUS304
Insulator	Teflon

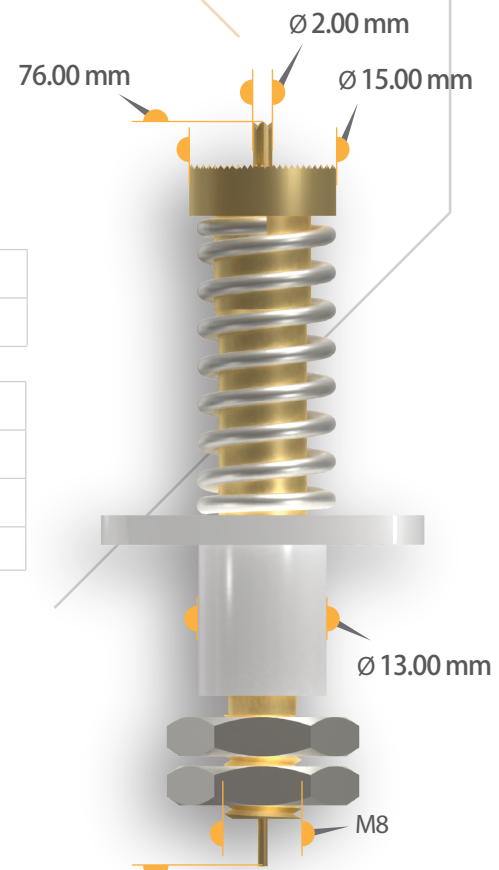
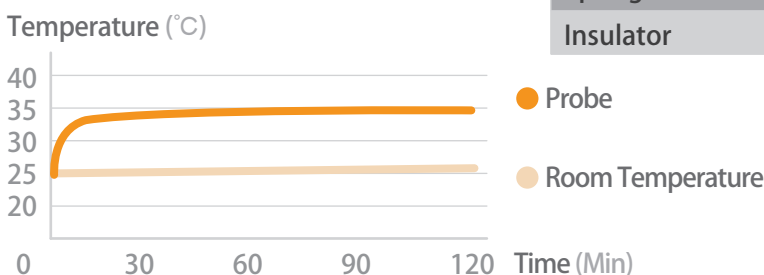


H100001M0

Current	100 Amp
Resistance	<5 mΩ
Recommended Center	35 mm
Temperature	$\Delta T < 15^\circ\text{C}$

Recommended Stroke	8 mm
Spring Force	1000 g

Plunger Base/ Coating	BeCu/ Au
Barrel Base/ Coating	Brass/ Au
Spring	SUS304
Insulator	POM



100-200
amp

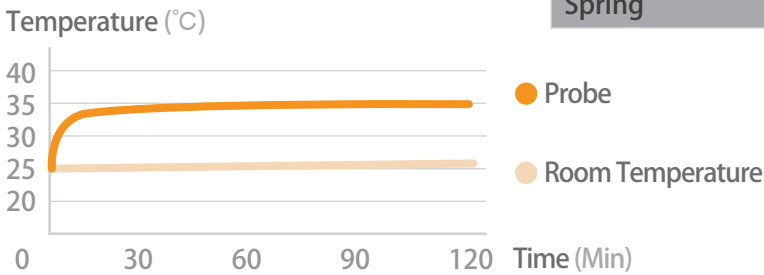
Harness Pogo Probe

H120002M

Current	100 Amp
Resistance	<30 mΩ
Recommended Center	18 mm
Temperature	$\Delta T < 15^{\circ}\text{C}$

Recommended Stroke	7 mm
Spring Force	1500 g

Plunger Base/ Coating	Brass/ Ag
Barrel Base/ Coating	Brass/ Ag
Spring	SUS304

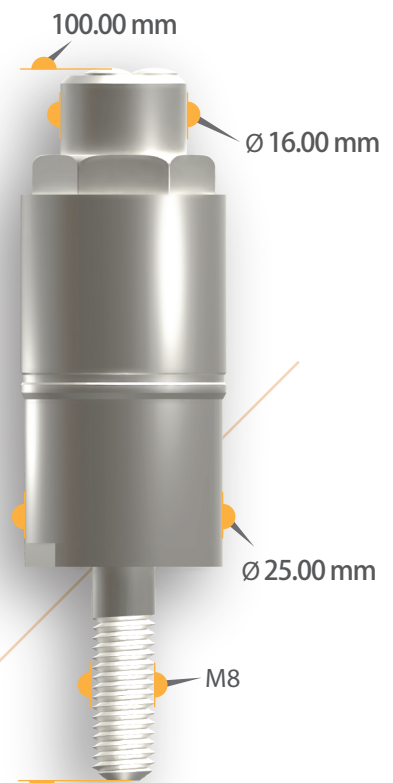
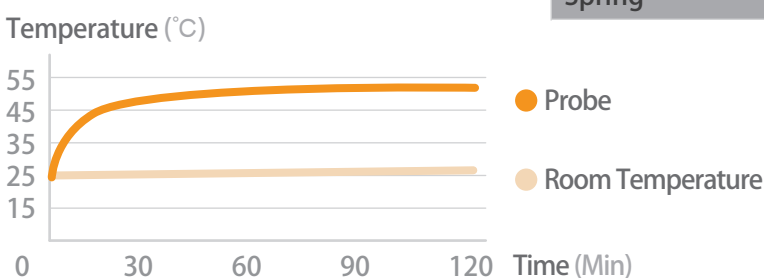


CM-M1-160-17003

Current	200 Amp
Resistance	<5 mΩ
Recommended Center	28 mm
Temperature	$\Delta T < 30^{\circ}\text{C}$

Recommended Stroke	7 mm
Spring Force	5000 g

Plunger Base/ Coating	Brass/ Ag
Barrel Base/ Coating	Brass/ Ag
Spring	SUS304



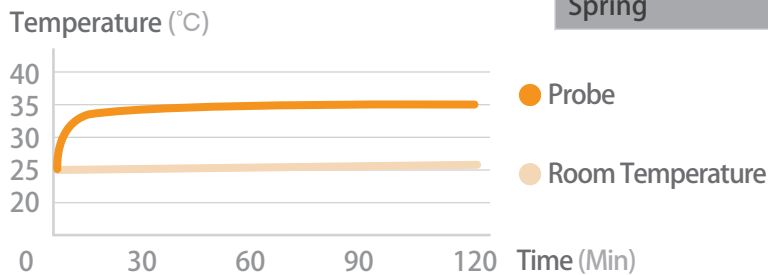
Pogo Probe

**6-30
amp**

S-11T1-2545G

Current	6 Amp
Resistance	<100 mΩ
Recommended Center	3.97 mm
Temperature	$\Delta T < 15^{\circ}\text{C}$

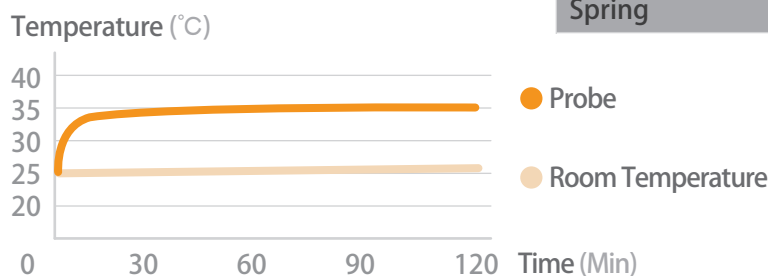
Recommended Stroke	4.2 mm
Spring Force	450 g
Plunger Base/ Coating	BeCu/ Au
Barrel Base/ Coating	Brass/ Au
Spring	SUS304



H301001M0

Current	30 Amp
Resistance	<30 mΩ
Recommended Center	9 mm
Temperature	$\Delta T < 15^{\circ}\text{C}$

Recommended Stroke	2.3 mm
Spring Force	250 g
Plunger Base/ Coating	BeCu/ Au
Barrel Base/ Coating	Brass/ Au
Spring	SUS304



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