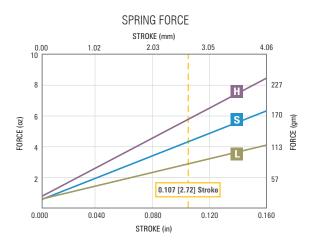


# PROBE P/N X39-PRP16 example: X39-PRP16S43PS

Tube	Letter	Material/Finish			Average Resistance	Current Rating AMPS <sup>1</sup> 120°C (204°C) <sup>3</sup>				
=	Р	Nickel silver/ID	precious metal clad	l	< 42 m0hms	4.5 (6.2)3				
rial	Letter	r   Material/Finish								
Tip Material	В	Heat treated Be	Cu/gold plated over							
	S	Neat treated steel/gold plated over nickel								
Tip Style	Digits	Description								
	See Tips	Tip style geometry based on target type								
Plunger Length	Letter	Tip Style Availability Ov		Probe Length (A)	Plunger Length (	B) @ Test Position (C)				
	Н	39, 44		870 [22.10]	0.220 [5.59]	0.763 [19.38]				
	Р	43, 63, 6R, 8R, 9R		930 [23.62]	0.280 [7.11]	0.823 [20.90]				
	Letter	Spring Force	Preload	@ 0.107 [2.72] Strok	e Material	Cycle Life @ 0.107 [2.72] Stroke				
Spring	L	Low	0.8 [23g/0.22N]	3.0 [85g/0.83N]	SS	300,000				
중	S	Standard	0.8 [23g/0.22N]	4.5 [128g/1.25N]	SS	300,000				
	Н	High	1.0 [28g/0.28N]	6.0 [170g/1.67N]	SS	50,000				
		Description								
Option	N	No probe lubrication. Removing lubrication greatly reduces cycle life and should only be used in applications outside of the working temperature range, see Testing in Extreme Working Temperatures application note for more details. <sup>3</sup>								
	(Blank)	No option required								



<sup>&</sup>lt;sup>2</sup> Maximum plunger OD should be used to calculate minimum guide plate clearance holes.

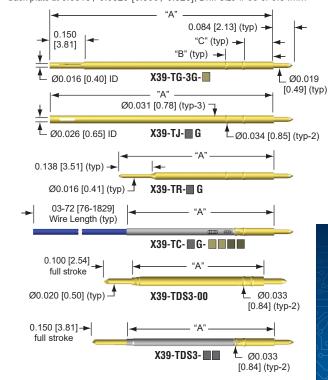


#### **TOOLS & ACCESSORIES**

See pages 75-79 for order information.

 $<sup>^3</sup>$  Working Temperature Range: -45°C to 120°C with lubrication. SS springs can be used up to 204°C without lubrication.

Suggested mounting holes and drill sizes in AT7000, G10/FR4 or similar materials should be gauged in probe plate at 0.0315 / 0.0325 [0.800 / 0.826]; Drill Size #66 or 0.84mm and back plate at 0.0315 / 0.0325 [0.800 / 0.826]; Drill Size #66 or 0.84mm



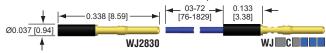
# WIRE GRIP SLEEVE For use with G termination pins.



#### P/N: WG39

To accept 30AWG Kynar solid insulated wire, stripped at 0.120 [3.05], (not included) Nylon sleeve, black

### WIRE JACK For use with J termination pins.



#### **P/N: WJ** example: WJ28C8230

Size	Digit	Description								
	2830	Wire Jack only (customer to crimp wire) brass/gold plated with nylon insulator.								
S	28C8	28 AWG Kynar insulated solid wire, pre-attached, specify color and length.								
	30C3	OC3 30 AWG Kynar insulated solid wire, pre-attached, specify color and length.								
	Colors Available for 28C & 30C Termination									
	0	Black	2	Red		Yellow	6	Blue	8	Gray
Wire	1	Brown	3	Orange	5	Green	7	Violet	9	White
>	Wire Length Available for 28C & 30C Termination									
	Specify Length in inches: 03 – 72 [76-1829]									
ion	Letter	er Description								
Option	S	Stripped Length 0.000/0.669 [0.00/16.99]; Customer to specify in inches								

## TEDMINATION DIN D/N

					IERI		NATIU	N	PIN P/N	
		Х	(39-T <b>Ⅲ</b> -		3-		examp	le: )	X39-TJ-20	
Termination	Letter	Material/Fin	ish							
	С	Crimped. Termination material: Heat treated BeCu/gold plated over nickel. Tube material: ID precious metal clad.								
	DS3	Double-ended for wireless testing. See page 69 for ordering details.								
	G	Wire Grip. Heat treated BeCu/gold plated over nickel, accepts wire grip sleeve.								
	J	Wire Jack. Heat treated BeCu/gold plated over nickel, accepts wire jack.								
	R	Round post. Heat treated BeCu/gold plated over nickel.								
	Digits	Description		F	A in (mm)		B in (mm)		C in (mm)	
	0	Only availab	le in TC	0.5	582 [14.78]		0.113 [2.87	7]	0.065 [1.65]	
		Only availab	le in TR	0.	261 [6.63]		0.040 [1.02	2]	0.000 [0.00]	
	1	Only availab	le in TC	0.6	642 [16.31]		0.173 [4.39	9]	0.125 [3.18]	
	2	Only availab	le in TJ	0.6	628 [15.95]		0.077 [1.96	6]	0.036 [0.91]	
		Only availab	le in TR	0.6	675 [17.15]		0.210 [5.33	3]	0.125 [3.18]	
Body	3	Only availab	le in TG	0.9	975 [24.77]		0.210 [5.33	3]	0.125 [3.18]	
8		Only availab	le in TJ	0.9	975 [24.77]		0.210 [5.33	3]	0.125 [3.18]	
	4	Only availab	le in TJ	1.1	00 [27.94]		0.210 [5.33	3]	0.125 [3.18]	
	5	Only availab	le in TJ	1.2	225 [31.12]		0.210 [5.33	3]	0.125 [3.18]	
	8	Only availab	le in TJ	1.6	600 [40.64]		0.210 [5.33	3]	0.125 [3.18]	
	00	Only availab	le in DS3	0.4	175 [12.07]		0.077 [1.95	5]	0.036 [0.92]	
	04	Only availab	0.582 [14.78]			0.113 [2.87	0.065 [1.65]			
	10	Only availab	le in DS3	0.642 [16.31]			0.173 [4.39	9]	0.125 [3.18]	
	Digits	Available for TG Termination Only								
	2	X39-TG-3G with WG39 wire grip sleeve								
	Digits	Wire Size Available for TC Termination Only								
	3	30 AWG Kynar insulated solid wire, pre-attached. Specify color and length								
2	8	30 AWG Kynar insulated solid wire, pre-attached. Specify color and length 28 AWG Kynar insulated solid wire, pre-attached. Specify color and length 20 AWG Kynar insulated solid wire, pre-attached. Specify color and length Colors Available for TC Termination Only  Black 2 Red 4 Yellow 6 Blue 8 Grey  Brown 3 Orange 5 Green 7 Violet 9 White								
Uptions	Wire C	Colors Available for TC Termination Only								
ō	0	Black 2	Red	4	Yellow	6	Blue	8	Grey	
	1	Brown 3	Orange	5	Green	7	Violet	9	White	

Specify Length in inches: 03 – 72 [76-1829]

(Blank) No option required

**US Patent**