

This is to certify that:

Precision Labs
 123 West Avenue J-5
 Lancaster, CA 93534

Holds Certificate No: **50471528**, IAF Code: **35**
 and operates a Management System that has been assessed and approved by QMS Global, Inc. against the provisions of the following international standard:

ISO/IEC 17025:2005 and ANSI Z540.1

The Management System is applicable to

**CALIBRATION OF TEST, MEASURING, AND
 DIAGNOSTICS EQUIPMENT**

This approval and subsequent monitoring is carried out in accordance with QMS Global assessment and certification procedures which comply with ISO/IEC 17021:2006.

Originally Registered: **September 15, 2006** Reissued: **May 4, 2009** Valid Until: **May 4, 2012**



For and on behalf of QMS:

President, QMS Global, Inc.

This certificate remains the property of QMS Global at all times. Certificates are invalid without raised seal. Lack of fulfillment of conditions as set forth in the QMS Certification Regulations or Contract may render this certificate invalid. To check its validity call: +1 561 883 9200 or email: cert@qms.net. This is not a legal document and cannot be used as such.





Scope of Capabilities

Precision Labs

123 West Avenue J5

Lancaster, CA 93534

Field	Type	Range	Method/Spec	Best expanded uncertainty at k=2
Dimensional	Inside Diameter	0-24inch	Manufacturer, Customer, Military techniques	4.4microinch
Dimensional	Length	0-60inch	Manufacturer, Customer, Military techniques	4.4 microinch
Dimensional	Optical flatness	10 microinch	Manufacturer, Customer, Military techniques	4.4 microinch
Dimensional	Surface flatness	0.001 inch	Manufacturer, Customer, Military techniques	40microinch
Electromagnetic	AC current	0-150Aac	Manufacturer, Customer, Military techniques	100ppm
Electromagnetic	AC Volts	0-1000Vac	Manufacturer, Customer, Military techniques	35ppm
Electromagnetic	Amplitude modulation	0-100%	Manufacturer, Customer, Military techniques	1%iv
Electromagnetic	Capacitance	0-1100uF	Manufacturer, Customer, Military techniques	7ppm
Electromagnetic	DC Current	0-10,000A	Manufacturer, Customer, Military techniques	20ppm



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Electromagnetic	DC Volts	0-40Kv	Manufacturer, Customer, Military techniques	2.5ppm
Electromagnetic	Frequency Modulation	100Khz	Manufacturer, Customer, Military techniques	2% iv
Electromagnetic	Impedance	0-75Ohm	Manufacturer, Customer, Military techniques	0.2%iv
Electromagnetic	Inductance	0-100H	Manufacturer, Customer, Military techniques	0.1%iv
Electromagnetic	Phase	0-360degree	Manufacturer, Customer, Military techniques	0.5% iv
Electromagnetic	Phase modulation	+/- 2pi radians	Manufacturer, Customer, Military techniques	5%iv
Electromagnetic	Power	0-1000W	Manufacturer, Customer, Military techniques	1.0%iv
Electromagnetic	Ratio	-0.1 to 1.0	Manufacturer, Customer, Military techniques	0.3ppm
Electromagnetic	Resistance	0-10terraohm	Manufacturer, Customer, Military techniques	5.5ppm
Electromagnetic	RF attenuation	0-120dB	Manufacturer, Customer, Military techniques	0.018%iv
Electromagnetic	VOR	0degree	Manufacturer, Customer,	0.10 degree



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			Military techniques	
Mechanical	Acoustic	120dB	Manufacturer, customer, Military Techniques	0.1dB
Mechanical	Air flow	0-3000FPM	Manufacturer, Military techniques	+/-1%iv
Mechanical	Flow	0-63LPM	Manufacturer, Military Techniques	0.5%iv
Mechanical	Force	0-200,000lb	Manufacturer, Customer, Military techniques	0.2%FS
Mechanical	Mass	0-2000lb	Manufacturer, Customer, Military techniques	Class S
Optical Radiation	Illuminance	UV	Manufacturer, Military techniques	5%
Optical Radiation	Illuminance	0-122.2Lumen/ft ²	Manufacturer	+/-2.5%
Optical Radiation	Temperature	2856K	Manufacturer	+/-20K
Physical	Torque	0-2000ftlb	Manufacturer, Customer, Military techniques	0.5%iv
Thermodynamic	Gas ratio	Multi	Manufacturer, Military techniques	2%
Thermodynamic	Humidity	10-90%	Manufacturer, Customer, Military techniques	1%iv
Thermodynamic	Pressure	0-10,000psi	Manufacturer, Customer, Military techniques	0.05%fs



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Thermodynamic	Temperature	J,K,B,T,R,S,N	Manufacturer, Customer, Military techniques	0.08degree
Time and frequency	Frequency	0-40ghz	Manufacturer, Customer, Military techniques	1E-9iv
Time and frequency	Risetime	0-1nS	Manufacturer, Customer, Military techniques	5%iv