

International Accreditation Service

CERTIFICATE OF ACCREDITATION

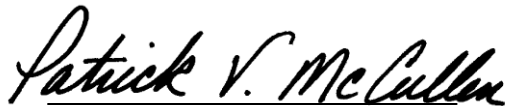
This is to signify that

CERTRONIXWEST CALIBRATION

7906 WENDOVER DRIVE
RIVERSIDE, CALIFORNIA 92509

Calibration Laboratory CL-110

has met the requirements of the IAS Accreditation Criteria for Calibration Laboratories (AC204), has demonstrated compliance with the ANS/ISO/IEC Standard 17025:2005, *General requirements for the competence of testing and calibration laboratories*, and has been accredited commencing February 15, 2011, for the calibration discipline(s) listed in the approved scope of accreditation. The laboratory meets IAS program requirements in the field of calibration.



Patrick V. McCullen
Vice President



C. P. Ramani, P.E.
President



(see attached scope of accreditation for fields of calibration and accredited calibration methods)

Print Date: 11/21/2011

This accreditation certificate supersedes any IAS accreditation certificate bearing an earlier date. The certificate becomes invalid upon suspension, cancellation or revocation of accreditation. See the IAS Accreditation Listings on the web at www.iasonline.org for current accreditation information, or contact IAS directly at (562) 699-0541.

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IAS is a subsidiary of the
International Code Council®



CertronixWEST Calibration CL-110

CertronixWEST Calibration
7906 Wendover Dr.
Riverside, CA 92509

John L. Smith
Owner
(951) 788-9949

MEASUREMENT AREA	RANGE & RESOLUTION	CALIBRATION & MEASUREMENT CAPABILITY ¹ (CMC) (±)	TECHNIQUE, REFERENCE STANDARD, EQUIPMENT
<p style="text-align: center;"><i>Mechanical</i></p> <p>Hardness Testers Rockwell</p>	<p style="text-align: center;">“C” Scale “HRA” Scale “HRBW” Scale “HRES” Scale “HR15N” Scale “HR30N” Scale “HR45N” Scale “HR15TW” Scale “HR30TW” Scale “HR45TW” Scale</p>	<p style="text-align: center;">0.6 HRC 0.4HRA 0.9 HRBW 0.6 HRES 0.5 HR15N 0.5 HR30N 1.1 HR45N 0.4 HR15TW 0.5 HR30TW 0.7 HR45TW</p>	<p style="text-align: center;">Indirect verification, CCP-05, ASTM E-18</p>

February 15, 2011
Commencement Date

C. P. Ramani, P.E.
President

CertronixWEST Calibration CL-110

MEASUREMENT AREA	RANGE & RESOLUTION	CALIBRATION & MEASUREMENT CAPABILITY ¹ (CMC) (±)	TECHNIQUE, REFERENCE STANDARD, EQUIPMENT
<i>Mechanical</i> Hardness Testers Brinell	307	6 HBW	Indirect Verification, CCP-06, ASTM E 10
Micro-Vickers Micro-Knoop	606.4 to 619.6 603.1 to 630.6	0.2 VHN 0.2 KHN	Indirect Verification, CCP-07, ASTM E 384
Leeb Hardness	763 to 788	10 HLD	ASTM A-956-06
<i>Electrical</i> Conductivity Testers	29.77% to 60.86%	0.93%	Eddy current, CCP-04, Boeing Specification BAC5651

“Calibration and Measurement Capability” is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or of nearly ideal measuring instruments. Calibration and Measurement Capability are expressed as uncertainties at approximately the 95% level of confidence, usually using a coverage factor of $k=2$. The measurement uncertainty of a specific calibration performed by the laboratory may be greater than the least uncertainty due to the behavior of the customer’s device, to the environment (if the calibration is performed in the field), and to influences from the circumstances of the specific calibration.

February 15, 2011

 Commencement Date

 C. P. Ramani, P.E.
 President