

SOUTHWEST RESEARCH INSTITUTE

6220 CULEBRA ROAD • POST OFFICE DRAWER 28510 • SAN ANTONIO, TEXAS, 78228-0510 • TEL (210) 522-5215 • FAX (210) 522-369

To: Darrell Dunn, Div20, B57

From: Walt Hill, Metrology Group Leader
Institute Calibration Laboratory

Date: Apr. 12, 2005

Subject: Out-of-tolerance Notice

The purpose of this notice is to alert you of a condition, which may have caused erroneous measurements affecting safety or the quality of products or services your organization provides. The attached as-found readings are provided for your evaluation to determine if the instrument listed below had an impact and if further action is required.

When the as-found results are near the specification limit, +/- a margin less than the measurement uncertainty, it is not possible to state in-tolerance or out-of-tolerance with a 95% level of confidence. It is the Institute Calibration Laboratory policy that the client is made aware of this situation because the end-user is taking some of the risk that the instrument listed below may not meet the end-user measurement requirements.

Your review/evaluation should be conducted in accordance with your organizational quality policy and procedural requirements. If we can be of further assistance, please contact the Calibration Laboratory at 522-5215.

Manufacturer: Duro-Sense **Model:** J-00

Description: Rtd **Serial Number:** 322

Asset Number: 8422 **User ID Number:**

Last Calibration: Apr. 12, 2004

Date Received for Service: Mar. 31, 2005 **Work Order Number:** 303063520

Service Requested: Scheduled calibration

Remarks: Out of tol. See Data Sheet

OUT OF TOLERANCE

Southwest Research Institute
Calibration laboratory
Measurement Report

Work Order:	303063520	Mfr:	DURO-SENSE	Technician:	blt
Asset No:	008422	Model:	J-00	Cal Date:	12-Apr-05
Serial No:	322	Type:	RTD (385)		
Remarks:					
100 Ohm Din A Limited Cal - tested at 0.0 and 150 C Per 16 Nov 00 Memo					

Function/Range	Test Point	TI Reading	Difference	+/-Limit	+/-Uncertainty	Found/Left
Temp	°C	°C	°C	°C	°C	
	0.129	0.782	0.65	0.30	0.041	Fail
	150.03	150.84	0.82	1.05	0.041	Pass
Ohms	Ohms				Ohms	
	100.3057				0.0032	
	157.6405				0.0032	

SOUTHWEST RESEARCH INSTITUTE®

To: Darrell Dunn, Div20, B57
From: Institute Calibration Laboratory; Joe Greagrey
Date: April 13, 2005
Subject: Review of Work Request Number 303063520

The work you requested is held pending your review. Please review the information provided and respond with your approval or further instructions for work to proceed. Return a signed copy via mail to Cal Lab Bldg 64, FAX (522-4834) or reply to this email. If you have questions or require additional information please call 522-5215.

Unit Received: Mar. 31, 2005 Work Requested: Calibration
Manufacturer: Duro-Sense Model: J-00 Description: Rtd
Serial Number: 322 Asset Number: 8422 User ID:

Cause of Review: The 0 degrees C reading has a specification tolerance of +/- .30 . The unit was found to be .65 degrees C.

If no relpy has been received by Apr. 27, 2005 the unit will be returned without action.

Approved () Disapproved return unit as is ()

Date: 4/13/05

Instructions () RETURN ITEM AND REMOVE FROM
CALIBRATION RECALL LIST

Authorized by DARRELL S. DUNN
Print or Type Name


Signature

Thank you for your timely response,

Wait Hill, Metrology Group Leader
Institute calibration Laboratory

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6220 CULEBRA ROAD • POST OFFICE DRAWER 28510 • SAN ANTONIO, TEXAS, 78228-0510 • TEL (210) 522-5215 • FAX (210) 522-3692

To: Darrell Dunn, Div20, B57
From: Institute Calibration Laboratory
Date: April 14, 2005
Subject: Returned Equipment

The equipment described below is being return "as is" for the reason(s) indicated. The Institute Calibration Laboratory is not responsible to the customer for calibration status or condition. If we can be of further assistance, please contact the Calibration Laboratory at 522-5215.

Unit Received: March 31, 2005 Work Requested: Scheduled calibration

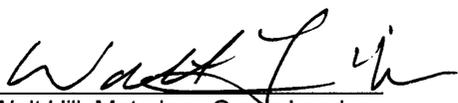
Manufacturer: Duro-Sense Model: J-00 Description: Rtd

Serial Number: 322 Asset Number: 8422 User ID Number:

Reason for return without calibration or repair:

- Requested by the owning organization.
- Required accessories or items listed in remarks were not provided.
- Lack of technical data.
- Parts are no longer available.
- Lack of support by manufacturer.
- Other

Remarks: Item did not meet specifications and was returned to customer as requested.



Walt Hill, Metrology Group Leader
Institute Calibration Laboratory