| | | Pho | Institute Quality Systems Institute Calibration Laboratory ne: 210-522-5215 Fax 210-522-4834 | | ACCREDITED |
|--|--|--|---|--|---|
| | ® | | Certificate of Calibration | | Certificate # 0972-01 |
| | Submitted By: | DIV20 | Work (| Drder: 303065157 | |
| | Address: | B57 | Date I | ssued: Jul 25, 2005 | |
| | Contact: | DON BANNON | | Date: Jul 25, 2005 | |
| Manu | | ERTCO ASTM 16C | | Due: Jul 25, 2006 | |
| | - | THERMOMETER | Calibration Loc | - | |
| | Serial No: | | | ment: Temp. 70.0° | |
| | Asset No: | 011745 TEMPERATURE, JAN/0 | | Type: FOUND-LE | FI |
| reprod oduct e this cal Determin is date. termina eported icertaint | luced, except in full, v indorsement by South libration relate only to ned by the customer, **Found/Left = adju ation of in-/out-of-tolo uncertainty calculate | without the written approval of west Research Institute, Amer o the instrument described abo does not imply the instrument istment and/or repair was not r erance or compliance/noncomp | SL Z540-1-1994 and relevant requirements of the ISC the Southwest Research Institute Calibration Laborat can Association for Laboratory Accreditation (A2LA ve at the time of calibration and does not imply any le will remain within tolerance as any number of factors equired, As Left = adjusted and/or repaired was requi bliance. See Remarks or attached Measurement Repo Guide to the Expression of Uncertainty in Measurem 5% confidence level. | tory. This certificate sh) or any agency of the U ong term stability of the s may cause an out-of-t red. The client has sole rt with the same Work | hall not be used to claim U. S. Government. Reside instrument. olerance condition befo e responsibility for Order number for data. |
| sset No. | rds Used Serial No. | Manufacturer | Model Description | | Cal Due |
|)9137 10281 | A21208 0421 | HART SCIENTIFIC HART SCIENTIFIC | 1575 THERMON 5628 SPRT | IETER | Nov 24, 0 Jun 24, 08 |
| | | | | | |
| | | | | | |

Approved by: Walt Hill Manager m:\a2la1.rpt Rev date March 6, 2005

.

.

Measyrements by: Joe Greagrey Metrology Technician

Page 1 of 1

Southwest Research Institute Calibration Laboratory Measurement Report

- -- .

| Work Order: | 303065157 | Mfr. | ERTCO | | Technician | JRG |
|----------------|--------------------------------------|------------|----------------|----------|----------------|-----------|
| Asset No. | 011745 | Model | ASTM16C | | | |
| Serial No. | 3116 | Туре. | THERMOMETER Ca | | Cal Date. | 25-Jul-05 |
| Remarks: | Accuracy Referecnce ANSI Z236.1-1983 | | | | | |
| Function/Range | Test Point | TI Reading | Difference | +/-Limit | +/-Uncertainty | Found/Le |

| Function/Range | Test Point | TI Reading | Difference | +/-Limit | +/-Uncertainty | Found/Left | |
|--------------------|------------|------------|------------|----------|----------------|------------|--|
| Temperature | °C | °C | °C | °C | °C | Result | |
| · | 30.0 | 30.0 | 0.0 | 0.5 | 0.12 | Pass | |
| | 50.0 | 50.0 | 0.0 | 0.5 | 0.12 | Pass | |
| | 100.0 | 100.0 | 0.0 | 0.5 | 0.12 | Pass | |
| | 150.0 | 150.0 | 0.0 | 0.5 | 0.12 | Pass | |
| | 200.3 | 200.0 | -0.3 | 0.5 | 0.12 | Pass | |
| | | END O | F REPORT | | | | |

-

.