Troxler Model 03430 Calibration Report (Page 1 of 3)

Gauge model - 03430 Gauge serial number - 028086

Reference standard counts: Density = 02436 Moisture = 0645

Calibration Date: 7/6/2011 Print Date: 7/6/2011 Bay = 060

*** Density calibration count data ***

Depth (in)	Magnes 1778	Mag/Al 2216	Alumin 2699
BS	01124	00753	00510
02	03795	02475	01532
04	03848	02376	01377
06	03103	01786	00955

08 02136 00556 01136 10 01342 00654 00296 00788 00356 12 00158

*** Density performance parameters ***

Pos	A	B*1000	С	1 Y 1	Slope	Prec
BS	3.430	1.24052	-0.07335	2216	0.9	8.56
02	9.798	1.03345	0.03697	2216	3.1	4.34
04	12.391	1.15577	0.04727	2216	3.4	3.88
06	13.505	1.32967	0.03260	2216	3.1	3.86
8 0	13.157	1.53101	0.01677	2216	2.3	4.17
10	12.795	1.79078	-0.00031	2216	1.5	4.75
12	12.361	2.09510	-0.01181	2216	1.0	5.78

*** Moisture calibration count data ***

Mag 0	Mag/Poly 590	S R

0016	0410	0398

*** Moisture performance parameters

E	F*1000	Rat	Prec	S R	Exerr
					
0.02481	1.03534	3.31	5.06	-18.0	14.5

Troxler Model 03430 Calibration Report (Page 2 of 3)

**** Density Standard Decay Sheet ****

Gauge model - 03430 Serial- 028086 Calib Date: 7/6/2011 Print Date: 7/6/2011

Ref. std. cnt. = 2436

Range of projected density standard counts at future dates:

	Lower Limit of Projected density	Upper Limit of Projected density
Date	Standard Count	Standard Count
8/1/2011	2408	2456
9/1/2011	2403	2452
10/1/2011	2398	2447
11/1/2011	2394	2442
12/1/2011	2389	2438
1/1/2012	2385	2433
2/1/2012	2380	2428
3/1/2012	2376	2424
4/1/2012	2371	2419
5/1/2012	2367	2414
6/1/2012	2362	2410
7/1/2012	2358	2405
8/1/2012	2353	2400

The true gravimetric densities of the metallic blocks used in this calibration are listed on Page 1 of this document. To account for the influence of the chemical composition of these blocks on instrument response (as prescribed in ASTM D2950, Section A1.3 and D6938, Section A1.1.1), these gravimetric densities are multiplied by chemical correction factors prior to the calculation of the density calibration parameters shown on Page 1 of this document. These correction factors are 0.988 for magnesium, 0.974 for magnesium/aluminum, and 0.964 for aluminum.

Statement of Traceability:

"The above referenced equipment has been calibrated by the manufacturer to established and documented procedures. Density values for the standards used in the calibration of this equipment were established using instruments whose measurements are traceable to the National Institute of Standards and Technology. Test procedures and supporting documentation are available upon request."

Troxler Model 03430 Calibration Report (Page 3 of 3)

Gauge model - 03430

Gauge serial number - 028086

Reference standard counts: Density = 02436 Moisture = 0645

Calibration Date: 7/6/2011 Print Date: 7/6/2011

Bay = 060

This instrument was found to be mechanically sound and electronically stable both prior to and after its calibration. All data listed in the preceding two pages of this report are applicable to this instrument only.

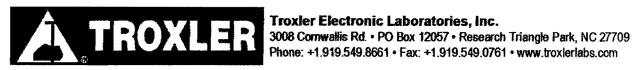
This calibration was performed at:

Troxler Electronics 2016 East Randol Mill Road, Suite 406 Arlington, TX 76011

Special considerations and limitations of use for this device and its calibration are described in the Manual of Operation and Instruction provided with this instrument.

This report shall not be reproduced except in full, without the written approval of Troxler Electronic Laboratories, Inc.

This instrument was calibrated by pm on 7/6/2011 using the Method 1 Calibration process.



Gauge Safety Inspection Report

Model: 3430	SN: 28086	RO#: 18855
	1 - Auto (Orbital) weld	
Inspected at: TX	2 - Manual Weld	Inspection Date: 6/29/2011
Handle Condition	— Overall Gauge Condition ——	
	○ 1 - Good	○ Tight
1 - Normal	2 - Normal	Loose
2 - Abused (comments)	3 - Poor (comments)	Not applicable
	O 4 - Abused (comments)	(a) rest approxima
Sliding Block - As Found	- Reason Not Fully Closed -	AmBe Plug - Fixed
0 - Fully Closed	1 - Excessive Dirt	Yes (Loctite applied)
○ 1 - <= 25% Open	2 - Weak Spring	O No (already done)
2 - 26-50% Open	O 3 - Both	Not required
3 - 51-75% Open	4 - Other (Comments)	Only required for gauges with
O 4-75-100% Open		tall plugs & serial numbers
○ 5 -Fully Open		less than 39000.
— Sliding Block Cracks ———	- Source Rod Wear	Cause of Rod Wear
Uncracked	O - None	O - None
○ Cracked	● 1 - Slight	1 - Sliding Block
O Not applicable	O 2 - Some.	2 - Bearing/Wiper
,	○ 3 - Medium	● 3 - Both
(Only models 3450 or 3451)	4 - Significant.	○ 4 - Other (comments)
	5 - Extreme (comments)	
L. Concavity	- II. Porosity/Pitting	[II. Cracks
O - None	O - None	● 0 - None
● 1 - Slight	1 - Slight	1 - 1 to 20%
O 2 - Some.	O 2 - Some	O 2-21-40%
O 3 - Medium	3 - Medium	3 - 41 to 60%
	4 - Significant.	0 4-61 to 80%
5 - Extreme (comments)	5 - Extreme (comments)	5 - 81 to 100%
COMMENTS:		