

Uncertainty Estimate Number:  
 Calibration Method:  
 Standard ID:  
 Device ID:

UE-0001 TD-2276 500-lb LC and Readout  
 ASTM E74 Calibration of Force-Measuring Instruments  
 See Notes Various Weights  
 TD-2276 500-lb LC and Readout

By: ISO/IEC 17025  
 Date:

Symbol	Source of Uncertainty	Value ± lbs	Distribution	Divisor	Uncertainty (±1 σ)	Degrees of Freedom	T-Value	Expanded Uncertainty (95% Confidence) ± lbs	
U1	R&R	0.1633	Normal	1	0.1633	5	2.67	0.4360	
U2	Resolution of Measurement	0.0010	Rectangular	1.73	0.0006	∞	2	0.0012	
U3	Uncertainty of Calibration Standard	0.0008	Normal	2	0.0004	∞	2	0.0008	
U4	Thermal Effects	0.0000	Rectangular	1.73	0.0000	∞	2	0.0000	
U	Combined Uncertainty (95% Confidence, k=2)							±	0.4360

Notes & Assumptions:

1. RSS method used for combining uncertainties.
2. Thermal effects were ignored in this estimate.
3. R&R for a range of measurements is the maximum of the range.
4. Standard ID's: (50-lb) TD-025, (200-lb) TD-215, (200-lb) TD-115

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