



Idaho Weights and Measures
Registered Service Agency & Servicemen
Test Equipment Requirements

Device Type	Required <u>Certified Standards</u> by Technician	Additional <u>Certified Standards</u> required by Service Agency
Scales	<i>Field Standard Weights used for class III, and IIIL scales must comply with the specifications outlined in NIST Handbook 105-1 Specifications and Tolerances for Field Stand Weights. Weight carts must meet NIST Handbook 105-8 but it is crucial to note they cannot serve independently as measurement standards.</i>	
Class II Jewelry Scales		ASTM E617-23 Class 2 or 3, 300 g test kit (200 g to 10 mg)
Class III up to 50 lb capacity	30 lb NIST Class F or, ASTM Class 6 Weight Kit	
Livestock Scales	30 lb NIST Class F or, ASTM Class 6 Weight Kit	Minimum of 10,000 lbs. Additional test weights required based on capacity of scale to meet NIST HB44, 2.20 Scales Table 4 for minimum test weights and loads based on 12.5% of scale capacity .
Vehicle Scales	30 lb NIST Class F or, ASTM Class 6 Weight Kit	Minimum of 10,000 lbs. Additional test weights required based on capacity of scale to meet NIST HB44, 2.20 Scales Table 4 for minimum test weights and loads based on 12.5% of scale capacity .
LPG	<i>Volumetric field standards for LPG must adhere to the standards outlined in NIST Handbook 105-4 Specifications and Tolerances for Liquefied Petroleum Gas and Anhydrous Ammonia Liquid Volumetric Provers.</i>	
LPG Meters		Volumetric Prover greater than the amount delivered by the device in 1 min at the maximum flow rate of the installation. NIST HB44 3.32 LPG Calibrated Thermometer with division size of 1° F or less.
Petroleum Meters	<i>Volumetric field standards must adhere to the specifications and tolerances outlined in NIST Handbook 105-3 Specifications and Tolerances for Graduated Neck.</i>	
Gas Pumps 20 gpm or less	5-gal test measure	No additional equipment required
Vehicle Mounted 31-150 gpm	5-gal test measure	100-gal prover or larger
151 gpm +	5-gal test measure	500-gal prover or larger
Mass Flow Meters		500-gal prover or larger Gravimetric test-Must use a reference scale calibrated to acceptance tolerance with division size 1/3 of the smallest tolerance applied, must provide a detailed report showing errors for the reference scale.