

3" Meter Package Specs

Process equipment on measurement skid

- Inlet selector block valves
- Automated inlet block valve
- Strainer/Air eliminator
- Flowmeter/densitometer
- Delta-C Capacitance water cut monitor
- Test Thermowell
- Sample port
- Prover manifold
- Back pressure control valve
- Drip tray sized to accommodate entire volume of process piping. Drip tray beneath inlet and prover connections ensures no product spills.

Loading display

- ✓ Start Time
- ✓ Duration of unloading
- ✓ Current flow rate
- ✓ Volume unloaded
- ✓ Volume remaining in railcar batch
- ✓ Water Cut %
- ✓ Density
- ✓ Temperature
- ✓ Inlet Pressure
- ✓ Strainer downstream pressure

Ticket Information

- Date and time
- Waybill #
- Well #
- Trucking Company
- Truck I.D.
- Driver I.D.
- Operator ID
- Railcar #
- Total Emulsion m³ (corrected to 15° C)
- Average Density
- Average Temperature
- Total Oil m³ (corrected to 15° C)
- Total Water m³ (corrected to 15° C)
- Water Cut %

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- The measurement skid is enclosed within a heated and insulated utilidor type structure approximately 4 feet wide x 7.75 feet high x 14.4 feet long. The two 3" Camlock inlet connections and the 3" 150ANSI Flanged outlet connection are external to the structure. The inlet enviroboxes are extended so as to be accessible from the ground when the skid is mounted on an 8' wide trailer. The insulating structure is constructed of 1 ½" thick polyurethane foam core sandwiched between 26 gauge galvanized steel inner and outer panels with an insulation value of R10. Large doors will permit access to the equipment on the skid, and to the proving manifold.
- The heater is propane fuelled Catadyne catalytic type and rated explosion proof for Class I, Group D, and Division 1 area. The propane supply hose is 25 feet long, and the 12 volt DC heater ignition cable will be 30 feet long, to enable these connections to be made outside the hazardous area.
- All electrical equipment on measurement skid is wired to an external junction box. This box will be outside of the Class 1 Div 1 area. Four cables, each 30 feet in length, and equipped with quick connectors will be wired to this junction box. These cables will be used to connect to the Truck Operator Interface in the cab of the pickup or a heated box.
- The skid ground is connected to an auto-rewind reel containing 150' of 4 ga.wire with a ground clamp attached.
- An amber and a red strobe beacon is mounted above the junction box. The height of these beacons will be field adjustable to ensure 360° visibility.