



Calibrated to UK or International Standards

MASTER METERS

For use with Fuel and Water Meters

- Mobile unit to calibrate other flow meters
- Tested to UK or International Standards
- Trolley, trailer or skid mounted options
- A variety of different accessories available



The Master Meter assembly consists of a standard positive displacement meter, mounted on to a supporting frame, with a calibrated temperature gauge and pressure gauge. Combined with a flow control valve to restrict any excess flow and a ball valve.

The most common way of proving positive displacement meters is by means of proving tanks, specially designed and manufactured to a weights and measured approved capacity. These methods are the most accurate way of proving, however they need to be operated by a skilled/trained operative if not there can be errors in the process.

The method is also very slow and the equipment is generally very large in stature and hard to manoeuvre from site to site.

Our Master Meters have been designed to simplify the whole procedure of checking the accuracy of a bulk meter. With it's small size, they can be mounted on to skid frames, trolleys or trailers, which means that the meter that requires testing can be (in most cases) left in service.

Compliant to JIG Standards and calibrated to UK or International specifications.



Skid Mounted

Skid Mounted Master Meters are normally design for static or larger operations. With fork lifting pockets fitted to ease transportation.

Hand Trolley

A Hand Trolley Master Meter would normally be used where there are multiple meters requiring calibration on one site i.e. Fuel Terminal. The wheels are designed to go over semi-rough terrain.

Road Trailer

The Road Towable Master Meters, are generally for either the larger Master Meters, or if you are servicing multiple sites. These can be designed for use on any road world-wide.



Standard Equipment:

- Mechanical Register
- Mechanical Temperature Gauge (Calibrated)
- Mechanical Pressure Gauge (Calibrated)
- Pressure Relief Valve
- Isolation Valve
- Flow Restricting Valve (and Shut Off)

Optional Extras:

- Inlet/Outlet Couplings
- Hoses, Various Lengths with Various End Fittings
- Electronic Register (24v or 220v)
- 24v Battery Box (ATEX Approved)
- Slops Tanks
- Weather Proof Covers

Technical specifications

Accuracy: $\pm 0.1\%$
Repeatability: $\pm 0.01\%$
Max working pressure: 1000kPa
Working temperature: -10° $+50^{\circ}\text{C}$
Flow Rates: 100 to 4,000lpm
(dependant on meter sizing)



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