



Emerson Impact Partner



Automation | Valves | Measurement | Process Control

MASTER METER PROVING STAND

Quick turnaround for regulatory compliance,
repairs, testing and accuracy verifications



www.spartancontrols.com



REDUCE COSTS AND TURN AROUND TIME

With increases in regulations and industry challenges, Spartan Controls continues to innovate and provide our Customers with the highest quality, best-engineered products and solutions available today.

Customers have been challenged with long turnaround delays and high maintenance costs for off-site meter proving needs. In an effort to support our valued Customer installed base, we have invested in an Alberta based meter proving skid.

The meter proving service will provide quick turnaround to Customers requiring annual proving for regulatory purposes, repair, testing, or accuracy verification where a meter performance is in question.

Operating at rates up to 4,000 liters per minute, the skid allows Spartan to prove larger line size meters that in the past would have had to be sent out of country for calibration and testing.



Max Flow Rate of
4,000 litres/minute

Proving capabilities
up to 6 inch meters

NSIT traceable Micro
Motion™ master
meters

Master meter
accuracy of 0.05%



FACTORY CERTIFIED

This factory certified NIST traceable meter calibration stand provides volumetric and density calibrations on a wide range of meter technologies and sizes. The stand utilizes multiple Micro Motion™ master meters calibrated to accuracy specifications of better than 0.05%.

With a tank capacity of 8,500 liters and two parallel centrifugal pumps, the stand is capable of cycling clean water through test meters at rates ranging from 15-4,000 liters/min. By utilizing a sophisticated ROC800L proving flow computer, the Master Meter Proving Skid gathers the I/O, performs all proving calculations and comes with professional calibration reports that are stored to a Customer profile database.

REDUCED FACILITY OPERATING COSTS

With thousands of meters installed in oil & gas or oil sands applications in Alberta that require yearly meter proving to meet regulatory compliance, facilities that do not have meter proving provisions in place may face high maintenance costs and turnaround times for calibration. By investing in a local facility, maintenance costs are reduced due to the elimination of customs and US shipping charges. Turnaround time can be reduced from weeks to days.

When production discrepancies occur it can be due to many reasons such as process related problems or technical concerns with the metering technology. In cases where there are no means to verify a flow meter performance on-site, the only option is to use a certified proving stand to eliminate or confirm the metering technology being the root cause of the problem. Spartan's local proving facility will help resolve issues in a short time frame that in turn will reduce facility operating costs.

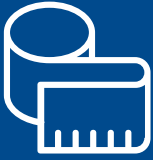


COST SAVINGS

- Reduce shipping costs
- Eliminate brokerage fees
- Minimized outage time
- Reduced risk of start-up delays



A UNIQUE OFFERING FOR WESTERN CANADA



SIZE

- Certified proving capabilities on 1/2" all the way up to 6" Micro Motion™, Rosemount™ Mag and Rosemount™ Vortex meters
- As large as 10" Micro Motion™ meters can be verified with a proving report provided
- Provides high accuracy calibration on Micro Motion™ density meters
- Specialized spool pieces utilized to ensure factory installation straight run requirements are met on varying sizes of Mag and Vortex Meters
- The multiple Micro Motion™ master meters of varying sizes provide extraordinary 250:1 flow rate turn down capabilities



TIME

- Same day turnaround capabilities on emergency situations with standard turnaround of 1-2 weeks on meters provided pre-cleaned
- Hydraulic ram mechanism utilized to allow for quick and boltless installation of test meters
- Automated ROC800L proving flow computer performs all calculations and stores data, allowing for minimal down time and operator interface
- Distribution centre capable of processing and shipping over 41,000 items per month



QUALITY

- Two parallel Micro Motion™ NIST traceable factory certified high performance master meters with accuracy specifications of better than 0.05%
- ISO900:2015 certified
- Factory trained, certified and experienced technicians
- Prove all meters to their factory and industry specifications
- Traceability to help ensure government and company meter calibration policies are achieved

CUSTOMER FIRST

Spartan Controls Ltd. is the recognized leading provider of industrial automation, valves, measurement and process controls technology and solutions for process industries in Western Canada. Our unique partnership with Emerson and other leading solution providers enables us to connect our Customers with world-class technology, superior technical expertise and full lifecycle services.

We are a Canadian, employee-owned company with project experience spanning multiple industries. Our single point of contact reduces cost, improves the Customer experience and allows us to quickly apply solutions and services to meet our Customer's automation challenges head-on.

We invest to earn your business; we invest more to keep it.

Call us or request a quote online 24/7

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