



Specifications for the Hydro Model MPH-10000-CL2 Remote Meter **Specification MPH-10000-CL2**

1.01 GENERAL

1.01.1 Completeness

The system shall be complete with all components, equipment, and appurtenances.

1.01.2 Quality Assurance

All materials and components shall be new and unused of first quality by well-known manufacturers. Inferior materials or components shall not be allowed.

1.02 MANUFACTURER

The manufacturer shall be Hydro Instruments, Telford, PA, USA or approved equal. The remote meter shall be Hydro Instruments Model MPH-10000-CL2.

1.03 SPECIFICATIONS

1.03.1 General

1. The remote meter shall be used to indicate and control chlorine gas feed rate.
2. The remote meter shall have a chlorine gas feed capacity of not less than 10,000 pounds per day (200 kg/hr).
3. The remote meter shall be constructed of materials suitable for chlorine gas under vacuum.
4. The process connections shall be made through 1.5" Schedule 80 PVC threaded Unions.

1.03.2 Gas Flow Meter

1. The remote meter shall be provided to indicate the gas flow rate within 4% of full scale accuracy.
2. The remote meter tube shall be 20" long (500 mm) and shall indicate the feed rate with a machined PTFE float.
3. The remote meter shall be suitable for wall mounting.
4. The remote meter shall be equipped with a control valve for manual feed rate adjustment.
5. Flow meter tubes shall indicate flow rates up to 10,000 pounds per day (200 kg/hr) and down to a minimum of 1/20 of the maximum value.