



TOWN & COUNTRY PLASTICS

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pH Monitoring, Recording, and Alarm System – T & C Model # K 100AM2

The two (2) pH probe assemblies are to be installed in the two NT-5M / HDPE sampling tanks #1 and #2. These tanks have special 3" flanged, pH probe inlets and support assemblies in tank covers. This is strictly a dilution treatment system (no limestone and/or chemicals).

System includes (2) immersion type electrode assemblies with submersible electrode holders, reference measuring and temperature compensating pH electrodes (and junction box relay), pH electrode assembly housing and submersion tube to be made of polypropylene.

pH control panel to be wall mounted, NEMA #4 fiberglass finished with epoxy paint, pre-wired and panel shall contain the following components: pH strip chart recorder for approximately one month continuous recording. Audible / visual alarms with horn alarm and red alarm lights. Time delays for alarming included. Audible alarm silencing and push button silencing relay. Visual pH meter (from 0-14) with signal impulse amplifier, high and low pH points and additional alarm contacts (for wiring to remote mechanical safety panel or centralized control panel at another location) – (alarm and other contacts may also be integrated with solenoid switches for any possible secondary treatment system, requiring electric actuated valves and / or metering pumps). Unit to include up ten (10-ft.) feet of pH wiring cable for hook up from junction box relay (on probe assembly) to the pH control panel, with BNC connector. (Additional pH cable available, with connectors, at added cost.)

The plumbing / mechanical contractor is to furnish and install all of the above equipment including the Mixing and dilution tank, sampling tanks, interconnecting piping systems and adapters. Electrical contractor to only furnish electric power supply to the pH control panel, pumps, mixer and power relays.

T & C can provide the services of an authorized manufacturer's representative and / or factory trained technician for field start up to check installation of equipment, place equipment into operation and train local operating personnel in the proper maintenance and operational procedures, at additional cost. Contractor shall install all equipment and components, in accordance with manufacturer's recommendations, prior to this factory service. Contractor to arrange videotape this "start-up" training visit and turn tape to owner.

NOTE: 40-ft. pH extension cables available with connectors (do not splice), only if needed, at extra cost.