

1.0 GENERAL INFORMATION

1.1 BEFORE GETTING STARTED

NOTE: Do not plug in or power up this unit without first verifying the 115/230 VAC Select Switch is in the proper position (see figure 7). In order to insure proper operation of the PC3400, it is important to follow the installation guidelines outlined in this manual. Individual plant requirements and layouts will vary, resulting in alterations to the procedures.

The particle counter is one of the most sensitive and precise on-line instruments in use in water treatment today. In order to achieve and maintain optimal performance, it is imperative that proper installation and operational procedures be followed.

The sensitivity of the unit to small concentrations of particles well below the range of visibility requires that the sample be delivered to the sensor without contamination or alteration. Data produced is based on the sample volume, so flow rate must be maintained at a constant value. The flow path through the sensor is small (750 μ m x 750 μ m) in comparison to other types of on-line instruments. Strainers should be used on raw water samples, and a proper maintenance schedule must be followed. Since these instruments count and size particles, each counter produces several channels of data. This data is most useful when trended, so provision should be made for recording and storage.

1.2 UNPACKING UNIT

When unpacking the PC3400 it is important to follow the following guidelines.

1. Open box right side up.
2. Carefully remove and examine packing material for any loose items that may have fallen out of containers during shipping.
3. Carefully remove items from the box. Verify all items listed on the packing list were received. Contact the factory immediately if any items appear to be missing.
4. Your PC3400 may include the following items.
 - ❑ Water Weir Kit (if specified) which consists of the following items:
 - Qty 1 flow control weir PN: 34905
 - Qty 2 mounting arms PN: 34950
 - Qty 2 weir clamps PN: 34960
 - Qty 1 Sample Drain Cup PN: 34970
 - Overflow Tubing (5/8 in ID X 5 ft) PN: 11430
 - Weir Inlet & Drain Cup Tubing (3/16 in ID X 5 ft) PN: 11425
 - Sensor Tubing (1/8" ID x 6 ft) PN: 11420
 - Qty 1 400 Micron In-Line Strainer (Optional, Recommended For Raw Water) PN: 9875
 - ❑ Cleaning Kit which consists of the following
 - Qty 1 cleaning brush PN: 34400
 - ❑ RS-485 Communications cable (Optional) PN: 34870
 - ❑ RS-232 Data Download Cable (Optional) PN: 34850
 - ❑ Software
 - TracData - Data Log Download Software (Optional) PN: 34600
 - TracWare (Optional) PN: 34650
 - ❑ Qty 1, Operations Manual