



PARTICLE COUNTER SENSOR PC3 with HydroACT Series

DESCRIPTION

The **PC3 Particle Counter Sensor** is an essential tool for municipal and industrial water treatment applications including filter performance monitoring, protecting RO membranes from colloidal fouling, and virtually any application where there is a concern of potential contamination in a clean liquid. The PC3 offers an excellent addition or alternative to other traditional measurements like turbidity (NTU) and Silt Density Index (SDI) testing. Particle counters are best known for their ability to detect when a filter has reached the end of its run well ahead of any impact to NTU readings. The more compact PC3 Particle Counter brings all the great features of Chemtrac's PC3400 model to the **HydroACT** family of analyzers. Customers can connect multiple sensors to the HydroACT analyzer, or mix and match the PC3 with other measurements like pH, chlorine, and UV254 for organics monitoring. The PC3 allows the user to view up to 3 channels of data in multiple measurement formats including "Total ppb", "Total Counts", and counts or ppb in individual size channels (e.g. 2 to 5 micron, 5 to 10 micron, etc.). Full integration between the sensor and analyzer means all sensor settings, including user-friendly calibration features, can be accessed from the HydroACT's user interface. Contact Chemtrac to discuss your application and let us find the right solution for you.

STANDARD FEATURES

- Counts particles in liquid from 2-750 microns
- Sizes particles from 2-100 microns
- Up to 3 user programmable size ranges
- Reports total counts, cnts/mL, or cnts/100mL
- User-friendly, menu driven calibration
- Laser & cell condition readout (0-100%)
- External sensor with sapphire optics
- Available with HydroACT analyzer models HA2, HA4, and HA8



BENEFITS

- Provides a reliable and accurate measurement of particles down to low ppt levels
- Advanced firmware and menu functions eliminates need for external software to perform setup and calibration
- User-friendly calibration routine makes the process fast and simple, and lowers maintenance cost
- External sensor is easy to clean and water is kept away from electronics

APPLICATIONS

Water Treatment

Wastewater Treatment

Reverse Osmosis Pretreatment

Membrane Filtration

Aquatics

Boiler/Condensate

Parts Washing

Food & Beverage

Pharmaceutical

Particle Detection

Chemtrac, Inc.
1555 Oakbrook Drive
Suite 100
Norcross, GA 30093
USA

PH: 770.449.6233
US: 800.442.8722
FX: 770.447.0889
www.chemtrac.com

