

PROBES

for Industrial and Warewash Applications

Beta Technology provides conductivity probes designed for numerous industrial applications. This data sheet provides detailed information such as cell constant (K factor), electrode material, maximum operating temperature and physical installation information. Important considerations when selecting a probe are:

Solution Concentration - Knowing the actual conductance in micro-mhos/micro-siemens is necessary in order to select an appropriate cell constant. This ensures optimum performance of the conductivity controller used in the application.

Solution Temperature - To ensure that maximum probe operating temperatures are not exceeded.

Solution Temperature Stability - Determines whether a temperature compensated probe might be necessary for the application.

Electrode Material - Stainless steel electrodes are suitable for many cleaning, acid sanitizing, metals processing, agricultural, and water treatment applications. Carbon electrodes are often better suited for more caustic applications and hard water conditions. Nickel Hastelloy C electrodes are more suitable for heavier acid concentrations.

Probe Mounting - For determining probe mounting method, such as bulkhead, in-line, dip-in or submersible.

Industrial Probes



Code No. EQ0099926

CTP 3403 conductivity/temperature probe, w/cable, K=0.4, fits in 7/8" (22mm) hole, comes with 15' (4.5m) cable, polypropylene body material, stainless element material

Code No. E454024

TP3409 rinse temperature probe (also used with ILS), fits in 1/8" NPT, comes with 15' (4.5m) cable, 30" long, stainless steel element/CPVC & Polypropylene body



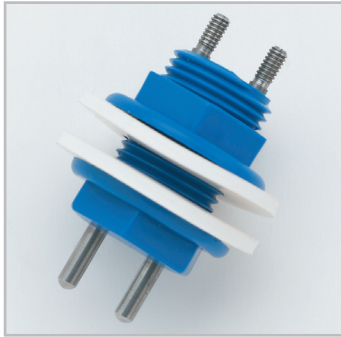
Code No. 035380

D44 conductivity/temperature probe w/bulkhead fitting, bulkhead, 7/8" (22 mm) hole, 12' (3.5 m) cable mounting, 15 - 100°C temp. range, 0.4 cell constant/30K ohms @ 25°C thermistor, low concentration for C1000, C6100E, C7000, stainless steel element/polypropylene body



Warewash Probes

We offer a wide range of probes for warewashing applications. Some models include thermistors for applications requiring temperature compensation. Conductivity probes with carbon electrodes are available, providing excellent performance in hard water conditions. All probes shown mount in the industry standard 22 mm-7/8" bulkhead holes. Some feature couplings to allow probe removal from the outside of the tank for inspection and cleaning. Also shown are temperature probes which are typically threaded into the dishmachine rinse line to measure water temperature.



Code No. E454020

CTP3400 conductivity probe, K=0.4, fits in 7/8" (22mm) hole, polypropylene body material, 303 stainless steel element material

Code No. E454023

CTP3403 conductivity/temperature probe, w/o cable, K=0.4, fits in 7/8" (22mm) hole, polypropylene body material, 303 stainless steel electrode material, 30K ohms at 25 degrees C thermistor rating



Code No. EQ0099926

CTP 3403 conductivity/temperature probe, w/cable, K=0.4, fits in 7/8" (22mm) hole, comes with 15' (4.5m) cable, polypropylene body material, stainless element material

Code No. E454036

D42 CP3300 conductivity probe w/bulkhead fitting, K=0.4, fits in 7/8" (22mm) hole, comes with 13' (4m) cable, polypropylene body material, 316 stainless steel electrode material



Code No. 035380

D44 conductivity/temperature probe w/bulkhead fitting, bulkhead, 7/8" (22 mm) hole, 12' (3.5 m) cable mounting, 15 - 100°C temp. range, 0.4 cell constant/30K ohms @ 25°C thermistor, low concentration for C1000, C6100E, C7000, stainless steel element/polypropylene body

Code No. E454024

TP3409 rinse temperature probe (also used with ILS), fits in 1/8" NPT, comes with 15' (4.5m) cable, 30" long, stainless steel element/CPVC & Polypropylene body

