

# Type 851 - 852 - 882 - 862 - 871 - 872

## Direct Replacement Conductivity Probes

### OVERVIEW

As the primary element in sensing level signals, the conductivity Probe is the heart of electronic level indicating systems. Probes are manufactured from stainless steel, with high purity ceramic insulators that exhibit a high degree of chemical inertness at elevated temperatures. Pressure sealing of the ceramic to metal body is achieved through a vacuum brazing process.

The braze joints are treated with a special gilding that protects it from the abrasive action of water.

All Probes are Helium leak tested, Hydrostatically tested at twice rated pressure and electrically tested for correct resistance.

Expected life of a Probe is 35000 hours in a controlled environment of pH7 to pH11. Conditions outside this range will effect the working life of the Probe.

### TYPE 851 PROBE

The 851 Probe is a low pressure probe designed as a direct replacement for the Hydrastep 459600602

Fixture - M18 x 1.5mm screw thread  
Seal - Supagraf gasket  
Temperature Rating - 341 degrees C  
Pressure Rating - 150 bar



### TYPE 852 PROBE

The 852 Probe is a high pressure probe designed as a direct replacement for the Hydrastep 246781Z

Fixture - 22mm A/F 1/2 inch Compression sealing Nut  
Seal - 22mm A/F 1/2 inch Compression sealing Nut  
Temperature Rating - 370 degrees C  
Pressure Rating - 207 bar



### TYPE 882 PROBE

The 882 Probe is a high pressure Probe designed as a direct replacement for the Hydrastep 459600201

Fixture - Clamp Plate secured with 4 x M12 studs and bolts  
Seal - Metafl ex gasket (stainless steel and grafoil)  
Temperature Rating - 370 degrees C  
Pressure Rating - 207 bar



### TYPE 862 PROBE

The 862 Probe is a high pressure Probe designed as a direct replacement for the Fossil 9300-0002

Fixture - 22mm A/F 1/2 inch Compression sealing Nut  
Seal - 22mm A/F 1/2 inch Compression sealing Nut  
Temperature Rating - 370 degrees C  
Pressure Rating - 207 bar



### TYPE 871 PROBE

The 871 Probe is a high pressure Probe designed as a direct replacement for the Clarke Reliance LP probe

Fixture - Screw thread  
Seal - Metafl ex gasket (stainless steel and grafoil)  
Temperature Rating - 340 degrees C  
Pressure Rating - 150 bar



### TYPE 872 PROBE

The 872 Probe is a high pressure Probe designed as a direct replacement for the Clarke Reliance HP Probe

Fixture - Clamp Nut (not supplied)  
Seal - Metafl ex gasket (stainless steel and grafoil)  
Temperature Rating - 370 degrees C  
Pressure Rating - 207 bar

