

# Type 851 - 852 - 882 - 862 - 871 - 872 - 892

## Direct Replacement 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.

All probes are guaranteed for 8500 hours use 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 4596006

Fixture - M18 x 1.5mm screw thread  
Seal - Pressed graphite gasket  
Temperature Rating - 341 degrees C  
Pressure Rating - 120 bar



### TYPE 852 PROBE

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

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 (570 deg C available)  
Pressure Rating - 207 bar



### TYPE 882 PROBE

The 882 probe is a high pressure probe designed as a direct replacement for the CEGB clamp plate probe

Fixture - Clamp Plate secured with 4 x M12 studs and bolts  
Seal - Metaflex 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 Yarway 964584-01

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 (570 deg C available)  
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 - Metaflex 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 - Metaflex gasket (stainless steel and grafoil)  
Temperature Rating - 370 degrees C  
Pressure Rating - 207 bar



### TYPE 892 PROBE

The 892 probe is a high pressure probe designed as a direct replacement for the Diamond Power probe

Fixture - Hex Gland Nut  
Seal - Flexible graphite gasket  
Temperature Rating - 540 degrees C  
Pressure Rating - 207 bar

