

DRUMLINE DL803 PROBE / ELECTRODE

The Drumline DL803 is a direct replacement probe for the following OEM or aftermarket copies.

LEVELSTATE SYSTEMS	Type 803	OEM
PROBES PLUS	611-89-00	COPY

Drumline Ltd is the world leading manufacturer of Direct Replacement Conductivity probes or electrodes. All probes are vacuum brazed, Helium leak tested, and Hydro tested to ensure that they meet our exacting standards. We use a high tolerance Zirconium insulating ceramic to ensure long life. The brazed metal to ceramic joint is further protected by an ultra-tough gilding process. We use high-quality stainless steel for all the metal parts of the probes, this gives the best combination of thermal expansion properties, brazing properties, toughness, and finish.

Drumline has used decades of experience in the conductivity probe industry to further refine the designs of its direct replacement conductivity probes. Most Levelstep probes feature a large thumb nut for ease of use when connecting probe cables. An anti-vibration washer has also been incorporated to ensure a reliable probe cable connection. All probes are Helium leak tested after manufacturing; this ensures that every probe is free from even the most minute flaws created during the brazing process. We only use high-quality spiral wound stainless steel and graphite gaskets or high-quality stainless steel compression nuts, to ensure a strong and reliable seal every time.



TECHNICAL COMPARISON

Technical comparison relates to the OEM part and the Drumline Ltd superior quality direct replacement part. All copies of the OEM part are intended as replacements for the OEM part and therefore only the below specifications are relevant.

MANUFACTURER	OEM – LEVELSTATE SYSTEMS	DRUMLINE LTD
Part Number	Type 803	DL803
Body Material	Stainless steel	Stainless steel
Insulator Material	Brazed Zirconia	Brazed Zirconia
Connection Method	Clamp Plate	Clamp Plate
Seal Type	Spiral wound gasket	Spiral wound gasket
Overall Length	52mm tip to flange	53mm tip to flange
Tip Diameter	13.75mm	13.75mm
Cable Connection	Knurled nuts	Thumb nut and spring washer
Maximum Temperature	370 Deg C / 700Deg F	370 Deg C / 700Deg F
Maximum Pressure	207 Bar / 3000 psi	210 Bar / 3010 psi
Warranty	2 years	2 years
Weight per Probe / Boxed	147g / 5.2 oz	
Boxed Dimensions	173 x 45 x 45mm / 6.75 x 1.75 x 1.75 inch	

The details contained in this document were correct at the time of publishing. All Drumline Ltd products are designed as 100% compatible direct replacements for the OEM part.