

DRUMLINE DLEL60 PROBE

The Drumline DEL60 is a direct replacement probe for the unreliable IGEMA EL60 probe.

IGEMA	EL60	OEM
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The Igema EL60 OEM Probe uses Alumina insulators, which are unreliable and prone to premature failure. Drumline has developed a direct replacement based on our brazed zirconia technology. The DLEL60 is a far more reliable product. The probe design is very chunky and heavy.

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 – IGEMA	DRUMLINE LTD
Part Number	EL60	DLEL60
Body Material	Stainless steel	Stainless steel
Insulator Material	Brazed Alumina	Brazed Zirconia
Connection Method	G ½ inch screw thread	G ½ inch screw thread
Seal Type	Plain Flat Metal Gasket	Plain Flat Metal Gasket
Overall Length	46mm tip to flange	46mm tip to flange
Tip Diameter		13.75mm
Cable Connection	Knurled nuts	Thumb nut and spring washer
Maximum Temperature	367 Deg C / 694Deg F	370 Deg C / 700Deg F
Maximum Pressure	200 Bar / 3010 psi	210 Bar / 3010 psi
Warranty	2 years	2 years
Weight per Probe / Boxed	300g / 10.5 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.