

Technical specifications - ICL-C

Storage capacity	+200 000 readings	
Logging interval	10 min – ∞, Typically 1 hour 1s (intensive mode)	
Power supply	6 to 15 VDC (Max. 200mA @ 12VDC)	
Battery Lifetime	Depends on battery selection – see IS-PL-70-03 “Test Stations & Power Supply”	
Casing / Humidity Temperature	IP65 / 0 to 100% RH condensing conditions -40°C to +85°C (logger)	
Test Station Options	<ul style="list-style-type: none"> - Big Fink (Solar/Battery powered, see page 1) - Junction box (Solar/battery powered) - Junction box (AC supply 100–240VAC with surge protection) - MetriCorr Type Test Station - Customer’s own specifications 	
Size L x W x H, weight	250 x 68 x 81 mm, 390 g	
Communication	<ul style="list-style-type: none"> - LTE Cat. 1 - 4G/5G with 2G/3G fall back - Satellite (optional) - Android or iOS App - Bluetooth - Ethernet (optional) - GPS Time Synchronization - GNSS (Position) 	
ER/coupon channel characteristics	Resistance range	156 mΩ
	Precision (4σ)	0.4 μΩ
	Repeatability (2σ)	0.2 μΩ
	Current	300 mA/probe



Measurements	Potential / Probe	Line current / Shunt
Input resistance	+ 10.0 MΩ	33 kΩ
Range	± 100 V _{DC} / 100 V _{RMS}	± 1250 mV _{DC} / 800 mV _{RMS}
Resolution	0.1 mV _{DC} / 1 mV _{AC}	0.2 μV _{DC}
DC accuracy	± 0.8 mV ± 0.3% reading	± 1 μV ± 0.1% reading
AC accuracy	± 1 mV ± 1% reading	± 10 μV ± 0.1% reading
AC to DC rejection	- 80 dB	- 80 dB

Surge Protection	Potential / Probe	Line current / Shunt
Nom. discharge current	10 kA @ 8/20 μs	10 kA @ 8/20 μs
Lightning pulse current	2.5 kA @ 10/350 μs	2.5 kA @ 10/350 μs
Optional (Pipe-Reference)	50 kA @ 8/20 μs	
	50 kA @ 10/350 μs	

