



Castle Electrodes LD15/MMO Reference Electrode Datasheet



- Model: LD15/MMO electrode
- Silver/silver chloride/0.5M KCl
- MMO coated titanium tube
- Interface $>175\text{mm}^2$

A combination reference electrode for corrosion monitoring; a silver/silver chloride/0.5M KCl reference electrode with mixed metal oxide (MMO) coated titanium outer tube.

Some specifications require the use of combination reference electrodes for corrosion monitoring. These are usually reference electrodes with a mixed metal oxide (MMO) coated titanium outer tube.

The MMO titanium tube is effectively a backup pseudo reference electrode in the unlikely event that the main electrode fails and can also be used for current measurement.

Specifications

Reference electrode type:

LD15 silver/silver chloride/0.5M KCl and mixed metal oxide (MMO) coated titanium

Potential:

-15mV (+/- 10mV) wrt saturated calomel electrode (SCE) at 20°C for the LD15 reference electrode

Stability:

+/- 3mV over a 24 hour period

+/- 10mV over 20 years



Design Life:

30 years for the LD15 reference electrode

100 years for the MMO Titanium

Silver element:

1.2g 99.99% purity

Housing type:

Nylatron tube and inserts for the LD15 unit

Junction Type:

Cementitious >175mm²

Dimensions:

Approx . 20mm x 110mm

Cable type:

Twin core 0.75mm² PVC/PVC white outer with blue for the LD15 reference electrode and yellow for the MMO titanium tube

Quality Control:

Calibrated under laboratory conditions

Unique identification numbers

Calibration certificates for each contract