



# Castle Electrodes RB15/MMO Electrode Datasheet

- Reference Electrode: Combined Potential Current Measurement
- Model: RB15/MMO Electrode



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

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

The MMO titanium tube is effectively a back-up pseudo reference electrode in the unlikely event that the main electrode fails.

## Specifications

### Reference electrode type:

RB15 manganese dioxide and mixed metal oxide (MMO) coated titanium

### Potential:

+175mV (+/- 20mV) wrt saturated calomel electrode for the RB15 reference electrode

### Stability:

+/- 3mV over a 24 hour period

+/- 10mV over 20 years



**Design Life:**

50 years for the RB15 manganese dioxide reference electrode

100 years for the MMO Titanium

**Housing type:**

Nylatron

**Junction Type:**

Cementitious >175mm<sup>2</sup>

**Dimensions:**

Approx. 20mm x 100mm

**Cable type:**

Twin core to suit client requirements with heat shrink sleeving to seal the cable.

**Quality control:**

Calibrated under laboratory conditions.

Unique identification numbers.

Calibration certificates for each contract.

