



## Galvanic Oxygen Electrode

### ET1115 Galvanic Oxygen Electrode

For general purpose oxygen concentration measurement in aqueous solution. The electrode is comprised of a platinum cathode and lead anode, connected via an internal 7.5 k $\Omega$  resistor. The output in air saturated deionized water is normally between 20 and 35 mV at 25 °C.

The electrode can be connected directly to a BNC input of an **e-corder** unit.



ET1115 Galvanic Oxygen Electrode

Electrode type:	Galvanic
Cathode:	Platinum
Anode:	Lead
Membrane:	PTFE (Teflon®)
Output:	<1 mV in deoxygenated water
Response time:	<30 s to 90% of final value
DC drift:	<2% per week at constant pressure and temperature
Oxygen consumption (STP):	$3.45 \times 10^{-13}$ mol O <sub>2</sub> /s per mV of signal $1.10 \times 10^{-11}$ g O <sub>2</sub> /s per mV of signal
Filling solution:	2% NaOH, 65% ethylene glycol, 33% water
Electrode body:	Plastic (Delrin)
Connector:	BNC
Dimensions:	12 mm OD x 137 mm (0.47" OD x 5.4")
Cable length:	3 m (10 ft)

