

Paint Buffer Data Sheet

A Paint Buffer runs in conjunction with a Gill AC / 12, allowing the buffer unit to be placed close to the cell eliminates unwanted noise especially important for high impedance samples. A Paint Buffer incorporates it's own very sensitive ZRA and ultra high impedance reference electrode buffer, extending the range of currents measured down to Pico amps, ideal for coated systems.



| Technical Specifications | |
|--------------------------------|--|
| Dimensions | 14 * 9 * 6 cm |
| Power Supply | Powered from Gill AC / Gill 12 |
| Weight | 300 grams |
| Potentiostat | |
| Compliance Voltage | ± 12 V |
| Sweep Range | ± 3 V (can be increased) |
| Sweep Resolution | 25 µV |
| Current Output | ± 700 mA |
| RE Input Impedance | Greater than 10 ¹² Ohms |
| Zero Resistance Ammeter | |
| Current Range | 1pA to 20 mA (Eight Ranges) |
| Counter Resistors | 100, 1K, 10K, 100K, 1M, 10MΩ, 100MΩ, 1GΩ |
| Input Offset Voltage | Less than 10 µV |
| ZRA Input Impedance | Greater than 10 ¹² Ohms |
| Operational Temperature | |
| Operational Temperature | -5 °C to 72 °C |
| Calibrated Temperature | 25 °C |