



CORROSION CONTROL DEPARTMENT

Digital Multimeter Technical Specifications

Assistant Engineer
Corrosion Control
Sui Southern Gas Company Limited



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Corrosion Control Department

TECHNICAL SPECIFICATIONS		
Digital Multimeter		
SPECS-15/11-25	REVISION: 00	DATE: 21-10-2025

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1. Introduction

A digital Multimeter can measure voltage (V), current (A), and resistance (Ω) for both AC and DC signals.

2. Specific Requirements

Parameter	Description
AC Current (A)	10A (1.5% + 3)
DC Current (A)	10A(1.0%+3)
AC Voltage (V)	600V (1.0%+3)
DC Voltage (V)	600V (0.5%+2)
Frequency	Upto 50KHz (0.1%+2)
Maximum voltage (between any terminal and earth ground)	600 V rms
Safety	IEC 61010-1, Pollution Degree 2 IEC 61010-2-033 CAT III 600 V, 10 A EMC IEC 61326-1: Portable
Fuse for A input	11 A, 1000 V, IR 17 kA
Display	Digital: 6,000 counts
Operating Temperature	-10 °C to +50 °C
Storage Temperature	-20 °C to +60 °C
Humidity	0 % to 90 % to 35 °C; 75 % to 40 °C; 45 % to 50 °C
Temperature coefficient	0.1 x (specified accuracy/°C) (< 18 °C or > 28 °C)
Battery	9 Volt Alkaline (IEC 6LR61) 1.5V AA / AAA
Battery life	400 hours typical, without backlight
Certifications	CE, CSA, RCM
DC millivolts	600.0 mV, Accuracy=0.5% + 2
Capacitance	100 μ F-1000 μ F (1.9%+2)
Continuity	600-40M Ω
Diode test	Up to 2.000 V



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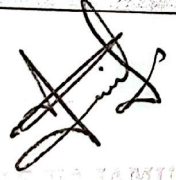
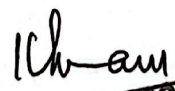
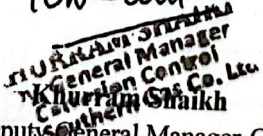

3. Accessories

- Test leads set
- Alligator clip attachments
- Protective carrying case/pouch
- User manual
- 9V / 1.5V AA / AAA Batteries included

4. Documentation and Warranty Requirements

The bidder shall submit the following documents and commitments along with the bid:

1. Original printed technical literature (*Mandatory*). Bids without attached literature shall be liable for rejection.
2. **Warranty:** Minimum two (02) year warranty covering repair and maintenance.
3. **Delivery Period:** Delivery shall be completed within 30 days from the issuance of the Purchase Order (PO).

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