

# Valhalla Scientific, Inc.

## Model 4020 Digital Ohmmeter (Specifications)

This section lists the operating and accuracy specifications for the Valhalla Scientific Model 4020 Digital Ohmmeter. Accuracies are valid at 25°C ± 5°C for a period of one year from the date of calibration.

### Ranges, Resolutions and Accuracies

Range	Resolution	Maximum Input	Nominal Test Current	Accuracy
20Ω	1mΩ	19.999Ω	10mA	±0.05% of rdg ±0.025% of rng
200Ω	10mΩ	199.99Ω	1mA	±0.05% of rdg ±0.025% of rng
2kΩ	100mΩ	1.9999kΩ	100μA	±0.05% of rdg ±0.025% of rng
20kΩ	1Ω	19.999kΩ	10μA	±0.05% of rdg ±0.025% of rng
200kΩ	10Ω	199.99kΩ	1μA	±0.05% of rdg ±0.025% of rng
2MΩ	100Ω	1.9999MΩ	100nA	±0.1% of rdg ±0.1% of rng

Full Scale Test Voltage.....	200 mV
Current Source Compliance Voltage .....	5 V
Terminal Configuration .....	4 - wire
Display Type.....	4 ½ digit LED's
Overrange Indication .....	Display flashes
Conversion Rate.....	4 per second
Temperature Coefficient.....	10 ppm/°C
Operating Temperature Range.....	0°C to 50°C
Power Source (Standard AC).....	115 or 230 VAC, ±10%, 50Hz - 400Hz
Power Source (Optional DC).....	(4) Rechargeable Nickel-Cadmium Batteries
Chassis Dimensions .....	10" W x 3" H x 9" D (25cm W x 7.5cm H x 23cm D)
Weight (AC power).....	3 lbs (1.5kg) net; 5 lbs (2.5kg) shipping
Weight (Batteries).....	4 lbs (2kg) net; 8 lbs (4kg) shipping