

## Product card AX-178



<b>Symbol:</b>	AX-178
<b>Manufacturer:</b>	AXIOMET
<b>Product groups:</b>	Portable digital multimeters

## Product specifications

<b>Type of meter:</b>	digital multimeter
<b>Measurement:</b>	frequency, dBm, DC voltage, capacitance, DC current, resistance, duty cycle
<b>Measuring instrument features:</b>	<ul style="list-style-type: none"><li>• auto and manual ranging</li><li>• automatic power-off</li><li>• HOLD function</li><li>• MIN/MAX function</li><li>• REL function</li><li>• indicates incorrect connection of test leads</li><li>• low battery indicator</li></ul>
<b>Kind of display used:</b>	LCD 5 digits

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<b>Bargraph:</b>	51 segm.
<b>Sampling:</b>	2,5x/s
<b>DC voltage measuring range:</b>	0,001m...50m/500m/5m/50/500/1000V
<b>DC voltage measuring accuracy:</b>	$\pm(0,03\% + 10 \text{ digits})$
<b>AC/DC + AC voltage measurement:</b>	0,001m...50m/500m/5V/50V/500V/1000V
<b>AC/DC + AC voltage measuring accuracy:</b>	$\pm(0,5\% + 40 \text{ digits})$
<b>Bandwidth for AC/DC + AC voltage measurement:</b>	40...20 kHz
<b>DC current measuring range:</b>	0,01 $\mu$ ...500 $\mu$ /5m/50m/500m/5/10A
<b>DC current measuring accuracy:</b>	$\pm(0,15\% + 15 \text{ digits})$
<b>AC/DC + AC current measurement:</b>	0,01 $\mu$ ...500 $\mu$ /5m/50m/500m/5A/10A
<b>AC/DC + AC current measuring accuracy:</b>	$\pm(0,75\% + 20 \text{ digits})$
<b>True effective value measurement:</b>	True RMS
<b>Bandwidth for AC/DC + AC current measurement:</b>	40...20 kHz
<b>Resistance measuring range:</b>	0,01...500/5k/50k/500k/5M/50M $\Omega$

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<b>Resistance measuring accuracy:</b>	$\pm(0,1\% + 10 \text{ digits})$
<b>Capacitance measuring range:</b>	0,01n...50n/500n/5 $\mu$ /50 $\mu$ /500 $\mu$ /5mF
<b>Capacitance measuring accuracy:</b>	$\pm(1\% + 5 \text{ digits})$
<b>Frequency measuring range:</b>	5...200kHz (linear waveform)
<b>Frequency measuring accuracy:</b>	$\pm(0,006\% + 4 \text{ digits})$
<b>Frequency measurement sensitivity:</b>	100mV (for linear waveform), Vp 2-5V (for rectangular waveform)
<b>Duty cycle factor:</b>	0.01...95 %
<b>Duty cycle factor measurement accuracy:</b>	$\pm(2\% + 5 \text{ digits})$
<b>Waveform frequency for duty cycle factor:</b>	5...500 Hz
<b>Diode test:</b>	0,7mA, 2,5V
<b>Continuity test:</b>	acoustic signal for R
<b>Pollution degree:</b>	2
<b>Overall dimensions (W x D x H):</b>	100x40x200 mm
<b>Weight with battery:</b>	560 g
<b>Power supply:</b>	6 batteries 1,5V LR03 (AAA), set without battery

<b>Interface:</b>	<ul style="list-style-type: none"><li>• IrDA</li><li>• USB</li></ul>
<b>Standard equipment:</b>	<ul style="list-style-type: none"><li>• set of test leads with probes</li><li>• set of test leads with insulated clips</li><li>• software (Windows 98, 2000, NT, XP, Vista)</li><li>• optical cable with USB</li></ul>
<b>Conform to the norm:</b>	EN61010 1000V CAT II, EN61010 600V CAT III
<b>Kind of output connector:</b>	USB A plug
<b>Protection:</b>	anti-overload
<b>Measuring resolution:</b>	0,01Ω

## Additional information

<b>Gross weight:</b>	0.911 kg
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