SHORTFORM CATALOGUE 2017
## ALFA Engineering Solutions

New Solutions Possible Through Technology...

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### DIGITAL MULTIMETER-178I15B
- 3 ½ Digit LCD Display, AC/DC Voltage, AC/DC Current, Backlight
- True-RMS 3 ½ Digit LCD Display, AC/DC Voltage, AC/DC Current, Backlight
- AC Current, AC/DC Voltage, Capacitance, Frequency Temp -20°C ~ +100°C
- True RMS, Current AC/DC Voltage, Capacitance, Frequency Temp -20°C ~ +100°C
- AC Current, AC/DC Voltage, Capacitance, Frequency Auto range, Overload protection.

### DIGITAL MULTIMETER-115B
- 3 ½ Digit LCD Display, AC/DC Voltage, AC/DC Current
- 3 ½ Digit LCD Display, AC/DC Voltage, AC/DC Current, Backlight
- 3 ½ Digit LCD Display, AC/DC Voltage, AC/DC Current
- 3 ½ Digit LCD Display, AC/DC Voltage, AC/DC Current, Backlight
- 3 ½ Digit LCD Display, AC/DC Voltage, AC/DC Current

### DIGITAL MULTIMETER-DT-603
- DC Current, Capacitance, Frequency
- DC Current, Capacitance, Frequency
- DC Current, Capacitance, Frequency
- DC Current, Capacitance, Frequency
- DC Current, Capacitance, Frequency

### DIGITAL MULTIMETER-SM233MKII
- AC Current, AC/DC Voltage, Capacitance, Frequency
- AC Current, AC/DC Voltage, Capacitance, Frequency
- AC Current, AC/DC Voltage, Capacitance, Frequency
- AC Current, AC/DC Voltage, Capacitance, Frequency
- AC Current, AC/DC Voltage, Capacitance, Frequency

### DIGITAL MULTIMETER-MAS630L
- 3 ½ Digit LCD Display, AC/DC Voltage, AC/DC Current, Backlight
- 3 ½ Digit LCD Display, AC/DC Voltage, AC/DC Current, Backlight
- 3 ½ Digit LCD Display, AC/DC Voltage, AC/DC Current, Backlight
- 3 ½ Digit LCD Display, AC/DC Voltage, AC/DC Current, Backlight
- 3 ½ Digit LCD Display, AC/DC Voltage, AC/DC Current, Backlight

### DIGITAL MULTIMETER-M92A
- True RMS, Current AC/DC Voltage, Capacitance, Frequency Temp -20°C ~ +100°C
- True RMS, Current AC/DC Voltage, Capacitance, Frequency Temp -20°C ~ +100°C
- True RMS, Current AC/DC Voltage, Capacitance, Frequency Temp -20°C ~ +100°C
- True RMS, Current AC/DC Voltage, Capacitance, Frequency Temp -20°C ~ +100°C
- True RMS, Current AC/DC Voltage, Capacitance, Frequency Temp -20°C ~ +100°C

### DIGITAL CLAMP METER M-45
- 3 ½ Digit LCD Display, AC/DC Voltage, AC Current, Resistance
- 3 ½ Digit LCD Display, AC/DC Voltage, AC Current, Resistance
- 3 ½ Digit LCD Display, AC/DC Voltage, AC Current, Resistance
- 3 ½ Digit LCD Display, AC/DC Voltage, AC Current, Resistance
- 3 ½ Digit LCD Display, AC/DC Voltage, AC Current, Resistance

### DIGITAL CLAMP METER M266
- ANALOGUE CLAMP METER DT-2193
- DIGITAL CLAMP METER DT-2193
- DIGITAL CLAMP METER DT-2193
- DIGITAL CLAMP METER DT-2193
- DIGITAL CLAMP METER DT-2193

### DIGITAL EARTH RESISTANCE CLAMP METER DECT 9 DECT 9AM
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### DIGITAL CAPACITANCE METER DT-1803
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### DIGITAL LCR METER DT-4070
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### DIGITAL INSULATION TESTER DT-99A
- 250V/500MΩ, 600V/1000MΩ, 1000V/2000MΩ
- Three test voltages, measure insulation resistance range 10GΩ Rated voltage 2500V
- Test voltage 100V, 2500V, 5000V Measure insulation resistance to 20GΩ with 0.1Ω resolution
- 4 wires earth measurement, soil resistivity measurement Conductor resistance measurement
- Pressure Range: 10kPa, Backlight: Data hold MAX/MIN/AVG Auto power off

### DIGITAL INSULATION TESTER DT-2520
- DIGITAL INSULATION TESTER DT-2520
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### DIGITAL EARTH RESISTANCE TESTER DT-199C
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### DIGITAL MANOMETER MM43
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### DIGITAL CARBON MONOXIDE METER-CO28
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### DIGITAL GLASS METER GM-26
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### DIGITAL THERMOMETER FM-10
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### DIGITAL THERMOMETER ST-9264
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### DIGITAL THERMOMETER ST-9265B/323B
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### DIGITAL THERMOMETER DT-27
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### DIGITAL TEMPERATURE DATA LOGGER DT-63
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<table>
<thead>
<tr>
<th>Instrument Name</th>
<th>Model</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Digital Coating Thickness Meter</td>
<td>CM-8825</td>
<td>Range: 0 to 1250μm/0-50ml, Thickness of non-magnetic materials</td>
</tr>
<tr>
<td>Digital Coating Thickness Meter-CM-8829S</td>
<td></td>
<td>Used for measuring thickness of vessels, boilers, oil tanks etc.</td>
</tr>
<tr>
<td>Digital Thickness Meter-TM-8812</td>
<td></td>
<td>Range: 1.0 to 200mm, and thickness of many materials, e.g. steel, cast iron</td>
</tr>
<tr>
<td>Digital Moisture Meter-MC-7825G</td>
<td></td>
<td>Range: 0 to 1250μm/0-50ml, Thickness of non-magnetic materials</td>
</tr>
<tr>
<td>Digital Moisture Meter-MC-7825PS</td>
<td></td>
<td>Non contact type Range 2%-80% for paper, foodstuff, tobacco, wood, cotton</td>
</tr>
<tr>
<td>Digital Infrared Thermometer-IR1000</td>
<td></td>
<td>Range: -50°C to 50°C, C/F Selectable, Backlight</td>
</tr>
<tr>
<td>Digital Infrared Thermometer-IR1300</td>
<td></td>
<td>Range: -50°C to 130°C, C/F Selectable, Backlight</td>
</tr>
<tr>
<td>Digital Infrared Thermometer-IR1600</td>
<td></td>
<td>Range: 50°C to 180°C, C/F Selectable, Backlight</td>
</tr>
<tr>
<td>Digital Infrared Thermometer-IR2200</td>
<td></td>
<td>Range: 50°C to 180°C, C/F Selectable, Backlight</td>
</tr>
<tr>
<td>Digital Lux Meter-LE-101A</td>
<td></td>
<td>Measure range: 0.1 Lux to 200,000 Lux, Resolution up to 0.01 Lux</td>
</tr>
<tr>
<td>Digital Lux Meter-LE-3322</td>
<td></td>
<td>Measure range: 0.01 Lux to 200,000 Lux, Resolution up to 0.01 Lux</td>
</tr>
<tr>
<td>Digital Tachometer Meter-TT-2235</td>
<td></td>
<td>Contact type tachometer RPM: 5.0-19999 RPM</td>
</tr>
<tr>
<td>Digital Measuring Scope-OS-5029/5030</td>
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<td>Contact type tachometer RPM: 5.0-19999 RPM</td>
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<td>Digital Storage Oscilloscope-HM-1</td>
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<td>Contact type tachometer RPM: 5.0-19999 RPM</td>
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<tr>
<td>Digital Infrared Thermometer-M288CT</td>
<td></td>
<td>Range: -5°C to 50°C, 10% to 95% Humidity, 10°C to 50°C with probe</td>
</tr>
<tr>
<td>Digital Measuring Scope-TM-1/5022/5023</td>
<td></td>
<td>Measuring range: 0°C to 50°C, Volts: 0.1 V, Resolution: 0.1 V</td>
</tr>
<tr>
<td>Digital Measuring Scope-TM-4/5029/5030</td>
<td></td>
<td>Measuring range: 0°C to 50°C, Volts: 0.1 V, Resolution: 0.1 V</td>
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<td>Digital Storage Oscilloscope-HM-1</td>
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<td>Contact type tachometer RPM: 5.0-19999 RPM</td>
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<td>Digital Infrared Thermometer-M288CT</td>
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<td>Measuring range: 0°C to 50°C, Volts: 0.1 V, Resolution: 0.1 V</td>
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<td>Digital Measuring Scope-TM-4/5029/5030</td>
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DIGITAL POWER METERS

Features
- Led digital display: Voltage, Current, Power, Power factor, Frequency
- All measurements are Trms
- Automatic Range
- Accuracy: ±0.5
- Areas of Application: Power Consumption Test for Appliances, Refrigeration, Light Products, LED Lamps, Chargers, and Switching Power Supply etc.

BM9900

- Connection: Single Phase
- Voltage Range: 5V - 600V AC (Switch the range automatically)
- Current Range: 10mA - 20A AC (Switch the range automatically)
- Power Range: 0.1W - 12kW
- Power Factor Range: 0.001 - 1.000
- Frequency Range: 45-65Hz
- Basic Accuracy: ±(0.4% Read + 0.1% Range + 0.1% Digits)
- Measuring Speed: Five times per second
- Input Impedance: >3 M Ohm (All Voltages)
- Power Supply: 85 - 265V AC/50/60Hz, 85 - 265V DC
- Attachment: Power Supply Cable, Fuses, Specification, RS232/RS485 Optional

BM9911 (With Harmonics)

- Winne: Simplex
- Voltage Range: 5V - 600V AC (Automatic range switching)
- Current Range: 5mA - 20A AC (Automatic range switching)
- Power Range: 0.1W - 12kW
- Power Factor Range: 0.001 - 1.000
- Frequency Range: 45-65Hz
- Basic Accuracy: ±(0.4% of reading + 0.1% of range + 1 Digit)
- Measure the Speed: 5 times / second
- Input Impedance: >3 M Ohm (All Voltages)
- Power Supply: 220V AC 50/60Hz
- Comm. Interface: RS232 Standard

BM9913

- Connection: Single Phase
- Voltage Range: 5V - 600V AC (Switch the range automatically)
- Current Range: 5mA - 40A AC (Switch the range automatically)
- Power Range: 0.1W - 24kW (Be suitable for standby power consumption of product)
- Power Factor Range: 0.001 - 1.000
- Frequency Range: 45-65Hz
- Basic Accuracy: ±(0.4% Read + 0.1% Range + 1 Digit)
- Measuring Speed: Five times per second
- Input Impedance: >3 M Ohm (All Voltages)
- Power Supply: 85 - 265V AC/50/60Hz, 85 - 265V DC
- Attachment: Power Supply Cable, Fuses, Specification, RS232/RS485 Optional

BM9945

- Wiring: Simplex
- Voltage Range: 5V - 600V AC / DC (range automatic switching)
- Current Range: 10mA - 20A AC / DC (automatic range switching)
- Power Range: 0.1W - 11kW
- Power Factor Range: 0.001 to 1.000 (Note: For DC models, the power factor display: 1.000)
- Frequency Range: 45-65Hz (Note: DC DC signal, the frequency is not displayed)
- Basic Accuracy: ±(0.4% of reading + 0.1% of range + 1 Digit)
- Measure the Speed: 5 times / second
- Input Impedance: 1m (all voltage lines)
- Power Supply: 85 to 265V AC 50/60Hz, 85 to 265V DC
- Comm. Interface: Optional RS232 or 485, relay output