732C/734C
DC Reference Standard

Safety Information

Introduction
The 732C (the Product) is a dc voltage laboratory standard that produces reference voltages of 10 V, 1 V, and 0.1 V. The 734C (the Product) contains four 732C DC Standards in a chassis. The 732C is highly stable, rugged and transportable. Its 10 V output can be used as a direct link in the traceability chain to the International System of Units (SI), through national standards, or intrinsic standards.

Safety Information
A Warning identifies conditions and procedures that are dangerous to the user.

⚠️⚠️ Warning
To prevent possible electrical shock, fire, or personal injury:

- Read all safety information before you use the Product.
- Do not alter the Product and use only as specified, or the protection supplied by the Product can be compromised.
- Batteries contain hazardous chemicals that can cause burns or explode. If exposure to chemicals occurs, clean with water and get medical aid.
- Do not disassemble the battery.
- Repair the Product before use if the battery leaks.

Contact Fluke Calibration
To see product information or download the Users Manual and the latest manual supplements, visit Fluke Calibration’s website at www.flukecal.com.

1-year limited warranty. See the Operators Manual for the full warranty.
• Connect an approved three-conductor mains power cord to a grounded power outlet.

• Use this Product indoors only.

• Do not put the Product where access to the mains power cord is blocked.

• Use only specified replacement fuses.

• Make sure the ground conductor in the mains power cord is connected to a protective earth ground. Disruption of the protective earth could put voltage on the chassis that could cause death.

• Use only the mains power cord and connector approved for the voltage and plug configuration in your country and rated for the Product.

• Do not use the Product around explosive gas, vapor, or in damp or wet environments.

Symbols
The symbols used in the manuals and on the Product are shown below.

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Warning" /></td>
<td>WARNING. HAZARDOUS VOLTAGE. Risk of electric shock.</td>
</tr>
<tr>
<td><img src="image2" alt="Warning" /></td>
<td>WARNING. RISK OF DANGER.</td>
</tr>
<tr>
<td><img src="image3" alt="Consult" /></td>
<td>Consult user documentation.</td>
</tr>
<tr>
<td><img src="image4" alt="Compliance" /></td>
<td>Conforms to relevant Australian EMC standards.</td>
</tr>
<tr>
<td><img src="image5" alt="Certification" /></td>
<td>Certified by CSA Group to North American safety standards.</td>
</tr>
<tr>
<td><img src="image6" alt="Conformance" /></td>
<td>Conforms to European Union directives.</td>
</tr>
<tr>
<td><img src="image7" alt="Fuse" /></td>
<td>Fuse</td>
</tr>
<tr>
<td><img src="image8" alt="Label" /></td>
<td>This product complies with the WEEE Directive marking requirements. The affixed label indicates that you must not discard this electrical/electronic product in domestic household waste. Product Category: With reference to the equipment types in the WEEE Directive Annex I, this product is classed as category 9 &quot;Monitoring and Control Instrumentation&quot; product. Do not dispose of this product as unsorted municipal waste.</td>
</tr>
</tbody>
</table>
Safety Specifications

For complete product specifications, see the 732C/734C Specifications located on the Fluke Calibration website.

General Specifications

<table>
<thead>
<tr>
<th>732C Line Voltage Setting</th>
<th>Line Voltage Accepted</th>
<th>Frequency Accepted</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 V</td>
<td>90 V to 110 V</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>120 V</td>
<td>108 V to 132 V</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>220 V</td>
<td>198 V to 242 V</td>
<td>50/60 Hz</td>
</tr>
<tr>
<td>240 V</td>
<td>216 V to 264 V</td>
<td>50/60 Hz</td>
</tr>
</tbody>
</table>

Environmental

Specified Operation

Temperature Range .......... 15 °C to 35 °C
Relative Humidity .......... 15 % to 80 %
Noncondensing
Altitude .......................... 0 m to 1830 m (0 ft to 6000 ft)

Non-specified Operation

Temperature Range .......... 0 °C to 50 °C
Relative Humidity .......... 0 % to 90 % to 28 °C, to 80 % to 35 °C, and to 50 % to 50 °C
Noncondensing
Altitude .......................... 0 m to 3050 m (0 ft to 10 000 ft)

Storage (Battery Removed)

Temperature Range .......... -40 °C to 50 °C
Relative Humidity .......... Noncondensing
Altitude .......................... 0 m to 12 200 m (0 ft to 40 000 ft)

Mechanical Specifications

734C Dimensions
Height .................................. 17.8 cm (7.0 in)
Width .................................. 43.2 cm (17.0 in)
Depth .................................. 50.3 cm (19.8 in)
including handles

732C and 732C-7001 Dimensions
Height .................................. 13.4 cm (5.28 in)
Width .................................. 9.8 cm (3.85 in)
Depth .................................. 40.6 cm (16.0 in)
Weight
734C .................................. 30.4 kg (67 lb)
732C and 732C-7001 .............. 5.91 kg (13 lb)

Safety

IEC 61010-1, Overvoltage Category II,
Pollution degree 2
Ingress Protection .............. IEC 60529: IP20

Electromagnetic Compatibility (EMC)

The Product operates in Standards Laboratory environments where the radio frequency (RF) environment is highly controlled. (International) .......... IEC 61326-2-1; CISPR 11: Group 1, Class A

Controlled Electromagnetic Environment

Group 1 equipment has intentionally generated and/or use conductively coupled radio-frequency energy which is necessary for the internal functioning of the equipment itself.

Class A equipment is equipment suitable for use in all establishments other than domestic and those directly connected to a low voltage power supply network which supplies buildings used for domestic purposes.

Emissions which exceed the levels required by CISPR 11 can occur when the equipment is connected to a test object. The equipment may not meet the immunity requirements of 61326-1 when test leads and/or test probes are connected.

USA (FCC) .......................... 47 CFR 15 subpart B, this product is considered an exempt device per clause 15.103

Korea (KCC) ......................... Class A Equipment (Industrial Broadcasting & Communication Equipment)
This product meets requirements for industrial (Class A) electromagnetic wave equipment and the seller or user should take notice of it. This equipment is intended for use in business environments and not to be used in homes.