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Certificate number 16970  
ISO 9001

## ISOLATING PORTABLE TRANSFORMERS INSTALLATION AND SAFETY INSTRUCTIONS (TX)

Manufactured to BSEN 61558  
CM3000/230

1. Read all of these instructions before you use the transformer
2. These transformers are designed to provide mains isolation
3. Check the transformer case, plug and cable for signs of damage before use. Do not use if any damage is discovered
4. Check the transformer rating against the power usage of the equipment you are going to use
5. These transformers are rated for intermittent operation at their maximum listed power capability for a duty cycle of 25%. I.e. 5 minutes "ON" 15 minutes "OFF".
6. These transformers may be used in a continuous operation mode at a rating of 50% of their maximum capability. e.g. a 3.0kVA unit may be operated continuously at 1.5kVA
7. During normal operation these units will become warm. Ensure the transformer will not damage any floor covering it is standing on. It is not advisable to stand the unit on carpets, vinyl floor covering etc.
8. This unit is fitted with a thermal trip device to protect against overload and short circuit
9. In the event of a short circuit to the output remove the cause of the fault before pressing the reset button on the thermal trip
10. In the event of an overload trip allow the unit to cool for at least 15 minutes before pressing the reset button
11. These units are fitted with a BS 1363 UK mains domestic style input plug and mains lead. The earth on the input plug must always be connected for complete safety to the output
12. These units are Class 1 insulated and must not be tested on Portable Appliance Testers (PAT) as Class 2 double insulated products. Flash test only at 1.5kV
13. Transformers have an inherent high in-rush current at switch on. In the event of a fuse blowing check that the replacement is a suitably rated anti-surge type. Miniature Circuit Breakers (MCB's) protecting sockets should have a type C or D tripping characteristic
14. These units are protected against the ingress of solid and liquid contaminants to IP20.
15. If the external flexible cable or cord of this transformer is damaged, it shall be replaced by the manufacturer or their service agent, or a similarly qualified person in order to avoid hazard
16. In the event of changing the input plug for connection to an alternative type of mains supply socket adopt the following wiring convention

Live	Brown Wire
Neutral	Blue Wire
Earth	Green / Yellow Wire

Ensure that such wiring is carried out by suitably qualified personnel





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## EC DECLARATION OF CONFORMITY **CE**

Carroll & Meynell declare its sole responsibility for model: CM3000/230 portable tool transformer meets the basic safety requirements of European directives

1. Low Voltage Directive – 2014/35/EU
2. REACH – Regulation (EC) No 1907/2006
3. RoHS – Restriction of Hazardous Substances – Directive – 2011/65/EU
4. Waste Electrical and Electronic Equipment Directive – 2012/19/EU

and any amendments.

The conformity assessment is based on the following harmonised standards

BS EN 61558

**Country of Origin** - United Kingdom

Name: Karen Shovelin

Title: Quality Health & Safety Manager

Signature: *Karen Shovelin*

Date: 12/08/2019

On behalf of CARROLL & MEYNELL Transformers Limited

