

BST DETECTACALC[®] DESKTOP CALCULATOR

FULLY DETECTABLE DUAL POWER DESKTOP CALCULATOR

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| Product Order Code: | ST1CADKDB |
| Casing Material: | BST XDETECT Food Grade ABS |
| Button Material: | BST XDETECT Food Grade ABS |
| Internal Materials: | Assorted wiring & circuitry including optional battery |
| Pack Contents: | 1 Calculator, complete with instruction manual, boxed |
| Pack Weight: | 200g |
| Pack Dimensions: | 123 x 175 x 32 mm |

Important Product Safety Information

Calculator Casing

This calculator is designed to be a permanently sealed unit, as such, no attempt should be made to open the outer casing of the calculator. If the calculator outer casing is opened, it is important that the calculator is disposed of and not used in a food production area. Repetitive opening of the battery cover may weaken the hinge – do not open unless necessary for battery changing.

Food Contact

The casing and buttons of the BST detectable pocket calculator are manufactured from food grade detectable materials. This design feature is for the purpose of undertaking due diligence in the prevention of foreign body contamination, but does not mean that the product is designed to come into frequent contact with food.

Metal Detectability (FOR GUIDANCE ONLY)

BST XDETECT is an electromagnetically detectable and x-ray visible plastic compound. The metal detectability of this compound will vary based on, but not limited to the following factors:

- Detector Calibration Levels
- Food Product Type / Effect (E.g. Wet, Dry, Frozen, Liquid)
- Detector Aperture Dimensions
- Contaminant Orientation

For this reason BST recommend that all our products be thoroughly tested on your metal detection systems by a trained and certified professional. It may be the case that your equipment needs to be recalibrated in order to reliably detect this product. Such a professional should be available by contacting the manufacturer of your metal detection system.

DetectaCalc samples gave following test piece equivalent readings when tested through the geometric centre of an Anritsu KD8124AW coaxial metal detection system with a 95 x 450 mm aperture:

| XDETECT Contaminant Size | Advised Minimum Ferrous Sensitivity for Detection |
|--------------------------|---|
| 4.0 mm ³ Cube | 2.0 mm FE |
| 6.0 mm ³ Cube | 2.5 mm FE |
| 7.0 mm Ø Sphere | 2.5 mm FE |
| 8.0 mm ³ Cube | 3.5 mm FE |
| 11.0 mm Ø Sphere | 4.0 mm FE |

Please note that the above information is for guidance only, and performance will vary.



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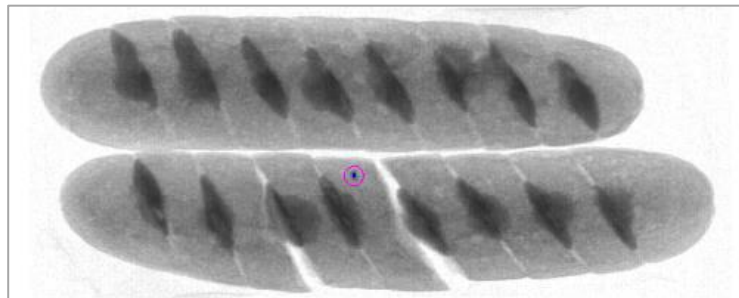
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X-Ray Visibility (FOR GUIDANCE ONLY)

In contrast to metal detection, x-ray visibility is determined by material density. For this reason, XDETECT contains an additional, evenly dispersed, food safe, high density additive.

Based on our experience and testing, positive readings should be consistent for XDETECT fragments as small as 5mm³. X-ray detection performance will be reduced when small fragments are buried in deeper, denser products.

Detection will depend on product type and density. This screenshot shows a 5mm³ XDETECT fragment through a popular x-ray inspection system, inside a packaged garlic bread product.



We highly recommend that all our products be thoroughly tested on your x-ray inspection systems by a trained and certified professional. It may be the case that your equipment needs to be recalibrated in order to reliably detect this product. Such a professional should be available by contacting the manufacturer of your x-ray inspection system.

DISCLAIMER

The information provided in this product specification sheet is based on our experience and knowledge to date and we believe it to be true and reliable. This information is intended as a guide for your use of our products, the use of which is entirely at your own discretion and risk. We, BS Teasdale & Son Ltd, cannot guarantee favourable results and assume no liability in connection with the use of our products. © 2014 BS Teasdale & Son Ltd. All Content, Data & Images are owned by BS Teasdale & Son Ltd and are protected by international copyright law.



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