

# MEDUSA MODEL 510 EVALUATION REPORT

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# AN EVALUATION REPORT OF THE MEDUSA 510 DRY BLOCK MANUFACTURED BY ISOTHERMAL TECHNOLOGY LTD

## INTRODUCTION

The Medusa 510 is part of the Dry Block family of products. It can be used as a dry-block and ITS-90 fixed point device.

At Isotech it is our earnest desire to present for our customers' consideration as much useful information as possible and to this end we have spent a substantial amount of time evaluating our products.

The results of the evaluation of a bath can be presented in many formats some of which will give an optimistic or indeed a pessimistic view of how the product operates. This evaluation report is based on the DKD-R5-4 document.

The evaluation based on the DKD document presents almost the worse case error that may occur within the bath.

With some care and proper procedures it is possible to improve considerably upon these uncertainties. We have therefore presented a second evaluation based on the best practice as an Appendix to the evaluation.

## SUMMARY OF PERFORMANCE

### Metal Block Mode, Option 1, Site Model

TEMPERATURE °C	STABILITY ±°C	RADIAL HOMOGENEITY	AXIAL HOMOGENEITY
183.0	0.013	0.014	0.084
366.0	0.017	0.020	0.136
550.0	0.029	0.035	0.209

Axial results over a 50mm zone.