

3000 SERIES LIGHTWEIGHT DRY-WELL CALIBRATORS

- Ideal for checking thermometer accuracy
- Portable temperature heat source

The 3000 series dry-well calibrators are small and lightweight heat sources, ideal for checking the accuracy of digital thermometers and temperature probes. The units have a temperature range of 33 to 250 °C with a resolution of 0.1 °C.

The dry-wells offer a high level of stability (± 0.5 °C) and a stabilisation time of ten minutes. Plug it in, switch it on, set the verification temperature with the front panel buttons and insert your probe into the correct size well. Compare the temperature reading of your thermometer against the display and the difference is the error.

The 3001 dry-well will accept probe sizes $\varnothing 3.3$, 4, 4.76 and 6.35 mm. The 3002 dry-well will accept probe sizes $\varnothing 3.3$, 4.76, 6.35 and 9.6 mm. The 3003 dry-well will accept probe sizes $\varnothing 4.76$ and 12.7 mm.

Order code	Description
271-301	3001 dry-well
271-302	3002 dry-well
271-303	3003 dry-well



Specification	3000 series dry-wells
Range	33 to 250 °C
Resolution	0.1 °C
Accuracy	± 0.5 °C (33 to 199.9 °C) ± 1 °C (200 to 250 °C)
Heating time	Ambient to 250 °C - min. 10 minutes
Well depth	100 mm
Power	230 volt AC (115 volt available)
Dimensions	57 x 125 x 158 mm
Weight	950 grams
FREE traceable certificate of calibration included	

3101 DRY-WELL HEAT/COOL SOURCE CALIBRATOR

- Ideal for checking the accuracy of thermometers
- Accepts a wide variety of probe diameters

The 3101 dry-well features an easy-to-read LED display with a temperature range of -10 to 110 °C and a resolution of 0.1 °C. Heating time, ambient to 100 °C or cooling time, ambient to 0 °C is ten minutes.

The 3101 is excellent for checking the calibration of a wide range of instrumentation including digital thermometers and temperature probes, either above or below ambient temperature. The unit incorporates two removable wells/inserts, both $\varnothing 13$ mm in diameter and will accept probe sizes $\varnothing 3.3$, 4.1, 4.8, 6.4 and 9.6 mm.

Each 3101 is supplied with two inserts of the customer's choice.

Order code	Description
271-401	3101 dry-well
271-321	$\varnothing 3.3$ mm ID brass insert
271-322	$\varnothing 4.1$ mm ID brass insert
271-323	$\varnothing 4.8$ mm ID brass insert
271-324	$\varnothing 6.4$ mm ID brass insert
271-325	$\varnothing 9.6$ mm ID brass insert



Specification	3101 dry-well
Range	-10 to 110 °C
Resolution	0.1 °C
Accuracy	± 0.5 °C (-10 to 99.9 °C) ± 1 °C (100 to 110 °C)
Heating time	Ambient to 100 °C - min. 10 minutes
Cooling time	Ambient to 0 °C - 10 minutes
Well depth	100 mm
Power	12 to 24 volt DC*
Dimensions	110 x 153 x 186 mm
Weight	1.8 kilograms
*Supplied with 230/115 volt AC power adaptor FREE traceable certificate of calibration included	

For pricing or any further information, please contact Omni Instruments Ltd.