

ADT 878-TPW-KIT

Triple Point of Water Realization Kit



Features

- One touch TPW cell realization
- Extremely affordable intrinsic standard
- Self-calibration feature
- Automatically update reference probe TPW values
- Easily maintain temperature working standards
- Fully self-contained

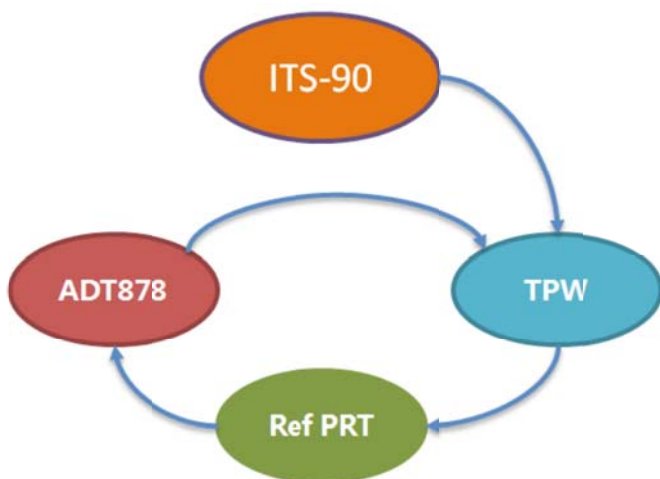
By DAkkS according to DIN EN ISO / IEC 17025: 2005 accredited laboratory. The accreditation is valid only for the quantities listed in the accreditation scope. (Our Laboratory number is D-K-15055-01-00)

Overview

The Additel 878 TPW Kit provides everything you need to utilize our model ADT878-160 Reference Dry Well as an intrinsic standard. The triple point value (0.01°C) is key to ITS-90 temperature probe calibration work. Traditional methods take time and practice to realize the triple point of water. Additel has now simplified this process with an automatic TPW realization feature. Simply insert the cell and PRT into the Reference Dry Well and run the preprogrammed procedure. The automation in the firmware will alert when the cell is super cooled. Remove the cell and give it a shake and now you can maintain the triple point in the reference well. With the help of this easy to use kit, users can quickly and easily realize and maintain our custom fit TPW cell, then record/update those ever critical TPW values for all your PRTs.

Accuracy Verification Loop

The triple point of water (TPW) is a critical intrinsic standard and ITS-90 reference point that every owner of a reference PRT or SPRT should have. Using the TPW to check reference temperature probes is the most convenient and affordable way to ensure confidence in your measurements. By regularly checking the drift of your temperature sensor, you can know with certainty if your sensor is in tolerance or not. The International Temperature Scale of 1990 (ITS-90) supports the TPW to be a reliable standard to check your reference PRT. By using the ADT878-160 Reference Dry Well, you can maintain and realize the TPW cell, which in turn can verify your reference PRT. This helps to bring everything full circle, the reference PRT can be used in the self-calibration mode to validate the display accuracy of the ADT878.



Accuracy Verification Loop








Specification

Specitication	Display
Uncertainty	<0.0005°C ^[1]
Immersion depth/ID	115 mm X 8 mm
External Dimensions	160 mm X 25 mm
Cell material Borosilicate	Glass
Realization time	20 mins
Estimated working time	2 hours
Recommended thermal Fluid	Ethanol
Warranty	1 year

^[1] Specification relates to the overall uncertainty when using the shake method of realizing the cell and maintaining it in the ADT878-160.



Accessories

Included Accessories		
Model	Quantity	Picture
TPW Cell	1 pc.	
Cell basket	1 pc.	
Basket cover	1 pc.	
Basket cover eith hole	1 pc.	
Support ring	1 pc.	
Cell removal tool	1 Set (3 pcs.)	
Bottom cushion	1 pc.	

Your Note

Ruled area for taking notes, consisting of horizontal dashed lines.