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Präzision in Temperatur



**ARGON TRIPELPUNKT -
TEMPERATURFIXPUNKT
DER ITS-90**

32.762,00 €

Hersteller: ISOTECH
Modell: 471

SKU: KK-563

Categories: [Temperaturfixpunkte](#)

PRODUKT BESCHREIBUNG

- **Argon Tripelpunkt -189,3442°C**
- **sehr einfache Inbetriebnahme**
- **kostengünstige und robuste Konstruktion**
- **6N reines Argon**



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TECHNISCHE DATEN

Modell
Temperaturbereich
Messunsicherheit

Abmessung

471
-189,3442°C
1,844mK mit k=2
Breite 380mm
Tiefe 615mm
Höhe 1250mm
(Gehäusehöhe 900mm)

DOWNLOAD

471 Simple Argon Triple Point Apparatus

- Effortless
- Minimal and simple to use
- Rugged to > 10M - 1 hour uptime typical

The Simple Argon Triple Point Apparatus is a robust, simple to use and affordable solution for the realization of the argon triple point.

Many laboratories use liquid nitrogen comparisons which are convenient and can be measured but the nitrogen boiling point is not at the TSP. More recently the triple point is better than of Argon. Many standard platinum resistance thermometers (SPRT) can deal with a mixture of argon and oxygen and at -189°C will use a certain amount which affects the self-heating of the SPRT leading to a large calibration uncertainty.

For many laboratories the high cost and complexity of previously available argon systems has been a barrier.

Now after years of research, we have introduced a new system that is more affordable, simple to use and will allow more laboratories the benefits of being able to realize the argon triple point.

The system requires no electricity, the only consumable is liquid nitrogen - the triple point argon is contained in a pressure vessel. It is vented to allow liquid nitrogen to enter, cool the sample to approximately -189°C. Weights are then added to a pressure vessel able to increase the nitrogen boiling temperature to just above the argon triple point.

The argon settles into the triple point for around four hours, allowing an SPRT inside the vessel to be calibrated.

Operational Data
The specification for the product is provided, please visit the website for the latest information.
<http://www.klasmeier.com/argon>

[Datenblatt Argontripelpunkt](http://www.klasmeier.com/argon)

VIDEO



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