

# 9126 Purecal

## Conductivity calibration system for pure and ultrapure systems



### Applications

Portable calibration bench used as a certified reference for the on-line validation of pure and ultrapure water conductivity measuring systems monitoring :

- Demineralisation plants in all types of industry : power generation, semiconductors, pharmaceutical.
- Boiler feed water, condensates in power plants
- Purified water and water for use in the pharmaceutical industry

### Features

- Truly "Plug and play":  
Mounted in parallel or in series with the conductivity measuring system being checked.  
Easy-to-use by connecting the inlet to a sampling point and the outlet to the drain.
- User-friendly and powerful :  
Portable, compact, completely protected including a drawer for tools, user manual and a special program allowing :
  - Automatic calculation of the cell constant of the probe being checked and electrical calibration of the conductivity input of the transmitter in compliance with ASTM D5391-99.
  - Process calibration : matching the current value read by the conductivity meter being checked with the theoretical conductivity given by "PURECAL"
- Highly accurate. Specifically designed for validating pure and ultrapure water conductivity measurement
- Specific temperature compensation curves for ultrapure water and USP regulations
- Outputs : 2 USP alarms, 2 smart analogue outputs freely programmable
- Quality certificate conforming to standards ASTM D5193, ASTM D1125, NIST

data sheet

**Hach Ultra Analytics china**  
sales@water-analyzers.com  
tel. ++86 519 85115301  
fax ++86 519 85121958

**Headquarters:**  
6, route de Compis  
C.P. 112  
CH1222 Vézenaz, Geneva  
Switzerland

Tel. +41 22 855 91 00  
Fax +41 22 855 91 99  
salesinfo@hachultra.com

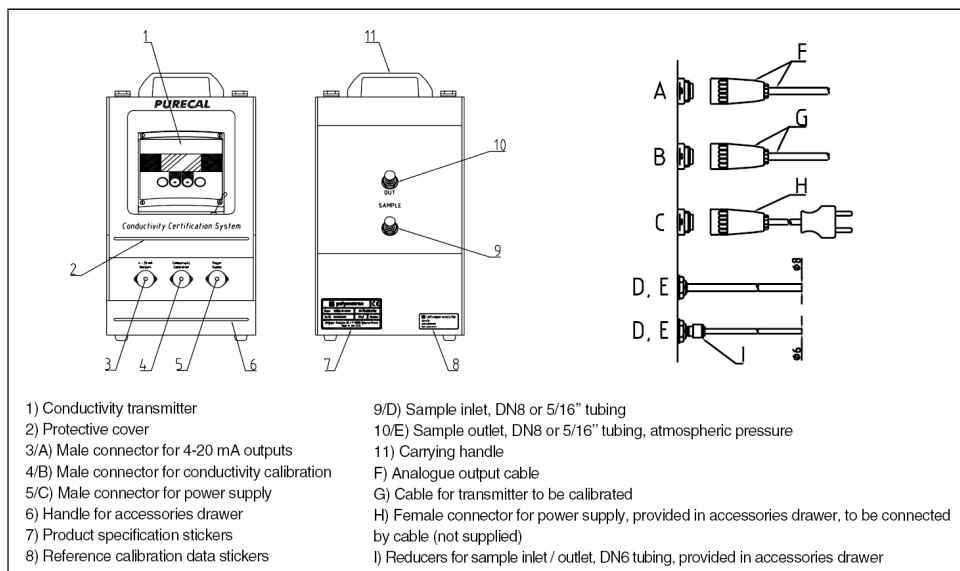


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Distributor

HUA\_TE 9126revD.pm6



## Specifications

Description	9125 conductivity transmitter, flow through chamber including a high purity conductivity probe (cell constant k=0.01 with Pt100 sensor grade A)	
Material	Calibration bench	ABS
Dimensions	H 450mm x W 250mm x D 460mm (17.7 x 9.8 x 18.1 in.)	
Weight	7 kg (15.5 lb.)	
Connections	Sample Inlet & Outlet Tubing material  Power supply 4-20mA	Compression fitting DN8 or 5/16" PE if sample < 60°C (140°F) PTFE if sample > 60°C (140°F) Waterproof female connector supplied as standard Cable with waterproof female connector as option
Power supply	Purecal 9126 Purecal 9126 Low voltage Consumption	90 to 265VAC 50/60Hz 13 to 30VAC and 18 to 42 VDC 25VA
Operating conditions	Temperature Humidity	-20 to 60°C (-4° to 140°F) 10 to 90%
Display	Presentation  Languages Cell constant Traceability	Inclined plane (30°) with backlight, 5 lines of 16 characters : icons and graphic zone (80*64 pixels) English, French, German, Italian, Spanish Automatic calculation of cell constant being checked Last 10 validations memorised
Sample	Max. temperature Max. pressure Min. flowrate	100°C (212°F) @1 bar 10 bar @70°C (160°F) > 20 l/h. (5.3 gal/h.)
Analysis	Measuring range Repeatability  Temperature compensation	Resistivity Conductivity Temperature Mode available Compensation range
Outputs	Analogue (temperature & conductivity/resistivity) Maximum load Alarms	2 X 0 / 4-20 mA (linear, bilinear, log) +/- 0.1mA  800 ohm 2 thresholds or limits according to USP
Certification	Quality certificate provided EMC  Enclosure protection	ASTM D5391-99; ASTM D1125, NIST EN 50081-1 & EN 50082-2 (RFI) IEC 61010-1 (low voltage directive) IP65, NEMA4X
Packaging	Supplied as standard with user manual, plastified quick programming guide, calibration certificate, tool for disconnecting the sample tubings, 2 conversion fittings (DN8 into DN6), certified resistance.	
Maintenance	A yearly recalibration of PURECAL in our factory is recommended	