



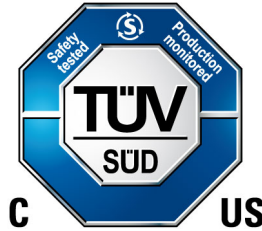
America

# CERTIFICATE

No. U8 082315 0010 Rev. 01

**Holder of Certificate:** **IonSense Inc.**  
 999 Broadway, Suite 404  
 Saugus MA 01906  
 USA

**Certification Mark:**



**Product:** Electrical equ. for measurement, control and laboratory use  
 Analyzer  
 Dart (Direct Analysis in Real Time)

This product was voluntarily tested to the relevant safety requirements referenced on this certificate. It can be marked with the certification mark above. The mark must not be altered in any way. This product certification system operated by TÜV SÜD America Inc. most closely resembles system 3 as defined in ISO/IEC 17067. Certification is based on the TÜV SÜD "Testing and Certification Regulations". TÜV SÜD America Inc. is an OSHA recognized NRTL for USA and a Standards Council of Canada ISO/IEC 17065 accredited Certification body for Canada.

**Test report no.:** 72173316-000

**Date,** 2022-03-04

( Glenn H. McLaughlin )



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**Model(s):** DART SVP, DART-OS, DART-SVP-M, DART-Qda, DART-HT, DART-Qda-Auto, DART-W, DART-JS, DART-JS-HTS, DART Qda-JS, DART-JS-HTS-P, DART-Qda-HTS-P, DART-JS-HTS-PD, DART-QDa-HTS-PD

**Brand Name:** ionSense

**Tested according to:** CSA C22.2 No. 61010-1:2012/A1:2018-11  
 CSA-C22.2 No. 61010-2-010:2019  
 CSA C22.2 No. 61010-2-081:2019  
 UL 61010-1:2012/R:2019-07  
 UL 61010-2-010:2019  
 UL 61010-2-081:2019

**Parameters:**

Rated Input Voltage:	100-240 V AC
Rated Frequency:	50/60 Hz
Rated Input Current:	4.0 A
Rated Input Power:	320 W
Protection Class:	I



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## Model Differences:

### **DART-SVP**

The SVP comes standard with the HW10029/39 automated linear rail (which was tested) and a metal sample holder called the Quickstrip (SVP-40001)

### **DART-OS**

With the OS the linear rail and quickstrip and removed. Instead the OpenSpot-Module is shipped. This is a metal sample holder.

### **DART-SVP-M**

Same as DART-OS but with OpenSpot removed. Just the base unit, without any sample holders.

### **DART-QDa**

The OpenSpot-Module is shipped (same as the DART-OS), and a custom interface is shipped. This interface is a metal and plastic assembly (WQDA-30007 and WQDA-40006) that is attached to a piece of customer equipment called the ACQUITY QDa.

Also, the WQDA-40004 is a slightly different version of the source. It has a different metal baseplate than the sources provided with the other 3 models. I can provide more details on this if necessary.

### **DART-HT**

Same as SVP with Dual rail added (rail previously tested as accessory)

### **DART-QDa-Auto**

Same as DART-QDa, except OpenSpot-Module is removed, and replaced with the automation items included with the SVP: linear rail HW10039 and Quickstrip (SVP-40001)

### **DART-W**

Same as above, but with the automation components removed. Same as base unit, configured for the Acquity QDa, but with no sample holders.

### **DART-JS**

The JS is a replacement model for the SVP. The JS comes standard with a XE401 Linear Rail and a holder called the Quickstrip (SVP-40001).

The JS replaces the following items for the SVP: new software/firmware, new linear rail, new source baseplate. The remaining items are identical.



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## DART-JS-HTS

The JS-HTS is a replacement model for the DART-HT. The JS-HTS comes standard with a dual XE401 Linear rail and a High Throughput Module.

The JS-HTS replaces the following items for the HT: new software/firmware, new linear rails, new source baseplate, and updated High Throughput module. The remaining items are identical.

## DART-QDa-JS

This is a DART-JS, with a handful of additional brackets that allow us to interface to an instrument called a QDa. It is otherwise identical in every way

## DART-JS-HTS-P

This is a DART-JS-HTS with a software package and a bulk set of consumables all sold as a single item

It is the identical set of hardware

## DART-QDa-HTS-P

This is identical to the DART-JS-HTS-P except it also includes the brackets for the QDa

## DART-JS-HTS-PD

Identical to the DART-JS-HTS-P except the Vapor Pump is removed for shipment to overseas distributors.

## DART-QDa-HTS-PD

Identical to the DART-QDa-HTS-P except the Vapor Pump is removed for shipment to overseas distributors.