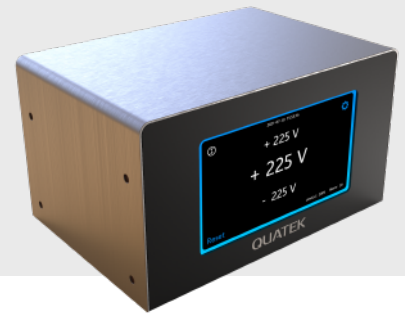# Qstream-VM

Electrostatic Voltage Monitoring System

Qstream-VM is Electrostatic voltage monitoring system, Based on TREK electrostatic voltage sensor. It can provide the accurately measurement of the product surface electrostatic voltage and monitor the Electrostatic discharge phenomenon within the variable distance through non-contact method. The test results are displayed on the screen. In addition, the Qview software can be used to track and analyze the electrostatic condition of the product, and the alarm test value can be automatically sent to the mailbox. Test data can also be uploaded to the customer data management system.

Performance and Application

- Equipped with 4.3-inch capacitive touch screen, real-time data and peak value can be viewed through the display screen
- The display can be configured with alarm voltage, The buzzer will be triggered when the voltage threshold is reached
- Qstream-VM has analog signal output of measurement data and can also be operated through network interface and monitoring software
- Built-in 32GB data storage
- Qview software able to support for customization on the dashboard, test data, configuration parameters, alarm information according to the demand; CIM/MES supported
- Suitable for ESD monitoring in the manufacturing of electrostatic sensitive components in semiconductor, HDD and LCD assembly production line
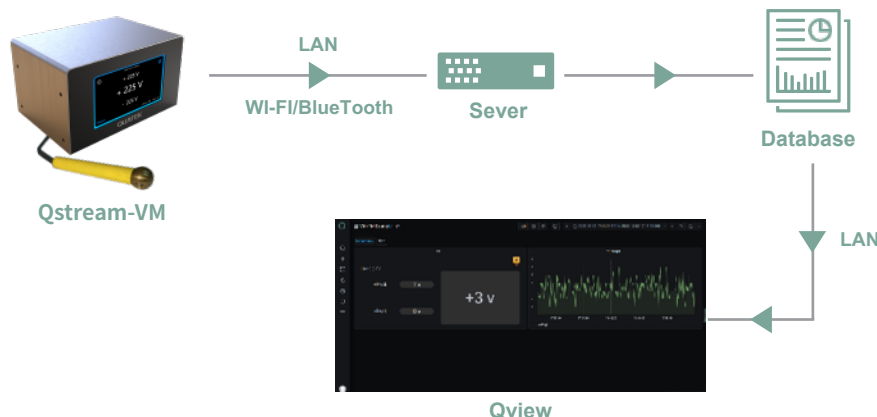
Features

Multi distance measuring
Can be customized Distance

Vacuum application
Special vacuum application probe, Installation with vacuum flange

Multiple application
Different range requirements can use the same system and software

External Signal Acquisition
Temperature, humidity, and positioning sensors are supported，Binding products location and data

Qstream-VM — LAN — WI-FI/BlueTooth — Sever — Database — LAN

Qview

Measurement specification

	Qstream-VM20K	Qstream-VM1K	Qstream-VM100
Range	±20KV DC or AC peak	±1.2KV DC or AC peak	±100V DC or AC peak
Accuracy	Better than±5% of reading±0.5% of full scale	Better than ±1% of full scale	
Test Distance	30~60mm	1.5~3.5mm	
Analog Voltage Output	2000:1	100:1	
Analog Current Output	4-20mA		
Display Screen	4.3-inch LCD touch screen, 800*400 resolution		
Temperature And Humidity	Temperature:15~35℃　Relative Humidity:5%~85%, noncondensing		
Power	12V&1.5A DC2.1mm power port		
SD Card	32G SD Card		
Probe Line Length	3 meters(customized)		
Dimensions (H x W x D)	182*130*86mm(Main Unit)		
Port	RJ45，RJ11		
Option Probe	13*75mm(P-S-V) 10*75mm(P-45D-V)	8.7*70mm(SY856-2)	9.7*50mm(PR-E) 9.7*53mm(PR-S) 5.6*50mm(P-S)

Qstream-VM Ordering Information

The main unit of electrostatic Voltage monitoring system
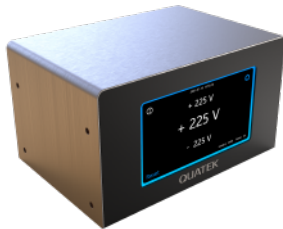
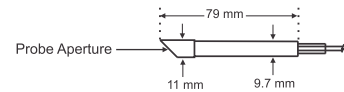*Qstream-VM100 should be combined use with TREK-541A-2(Contact Sales)
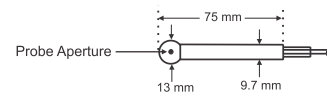
Option Parts (Contact sales)

Probe Fixture　　　DB9 Signal Cable　　　Vacuum kit

Option Probe

Qstream-VM20K

P-45D-V
45°View Probe

Probe Aperture — 79 mm — 11 mm — 9.7 mm

P-S-V
Side View Probe

Probe Aperture — 75 mm — 13 mm — 9.7 mm

Qstream-VM1K

SY856-2
Side View Probe

Probe Aperture — 70 mm — 8.7 mm
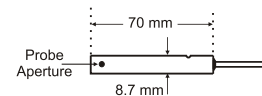
Qstream-V100

PR-E End view probe

End View Probe Aperture 1.6 mm — 50 mm

PR-S Side View Probe

Side View Probe Aperture 2.3 mm — 50 mm
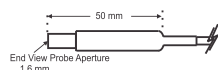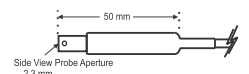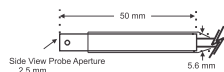
P-S Side View, Square Body Probe

Side View Probe Aperture 2.5 mm — 50 mm — 5.6 mm