



TREK MODEL 230 TO Q/m METER

Particle Charge-to-Mass Ratio (Q/m) Test System



BLOW-OFF UNIT



Q-METER UNIT

TREK JAPAN K.K.

TREK BLOW-OFF TYPE Q/m METER MODEL230 TO (Specifications)

1	Measurement Type	: Blow-Off
2	Measurement Object	: Charged Particles
3	Measurement Range	: 0~±0.19999 μC
4	Measurement Resolution	: 0.00001 μC
5	Accuracy	: ±0.1% F.S
6	Pressure Output Range	: Absorption/Blow 1~20kPa
7	Absorption Output Range	: 2~10k Pa (with external cleaner)
8	Measurement Procedure	: Put samples into faraday cage and close the unit Press "START" button and start measuring Measurement Timer starts operating (takes about 2 to 5 sec usually) Measurement ends when Timer stops operating Press "RESET" button and the measurement is done
9	Faraday Cage Included	: Absorption/Blow-off purpose Faraday Cage 1 set
10	How to Clean Faraday Cage	: Use the attached particle hopper and blow gun
11	Operation Pressure	: Nitrogen Gas 0.2MPa~0.4MPa
12	Operation Temperature, Humidity	: 5~35°C :10~85%RH
13	Power Specifications	: AC100V 50Hz/60Hz 15A w/grounding
14	Dimension and Weight	: Q-Meter Unit W180×H390×D440 (w/o the rubber feet) , approx 8 k g Blow-off Unit W300×H700×D400 (w/o the rubber feet) , approx 20 k g
15	Data Transfer to PC	: Output data to PC via USB cable (μC, pressure, vacuum pressure, temperature, humidity)
16	Other	: External Cleaner is needed Supply pressurized gas through reducing valve

* 1. Mettler-Toledo ML204 or equivalent is recommended.

Caution: Please ventilate enough to avoid shortage of oxygen.