



PGA-710B Autoanalysis System Set

The Prostat PGA-710B is a unique electrostatic data analysis device for use with Prostat's PFK-100 Fieldmeter/Charge Plate Monitor Set. *It records, plots, analyzes and automatically constructs reports of Walking Body Voltage Generation (ANSI/ESD STM 97.2), electrostatic decay, voltage transients & retention, ionizer performance and other static measuring functions.* Its analytical features document and automatically calculate projected levels of typical Human Body (HBM) voltages. It helps determine the risk of equaling or exceeding damaging or hazardous HBM discharge voltages in static sensitive facilities.

The Autoanalyzer links to a Field meter's analog output and a computer's USB using provided cables. Its Autoanalysis Applications software converts your instruments into a digital chart recording

system with automatic analysis and reporting features. The PGA-710B will perform measurement and recording functions, perform data analysis, generate charts, then construct and print out complete reports, including the facility's ambient temperature and relative humidity during each test.

Specifications

Dimensions (L x W x H): 5.0" x 2.8" x 1.35" (12.7 cm x 7.1 cm 3.4 cm)

Weight: 6.5 oz (185g)

Input: < ±2 Volts

Output: USB

Sampling Rate: 50, 100 and 200 Samples per second

File Limit: ≈14 minutes/file, continuous recording at 50 samples per second
≈ 7 minutes at 100 s/sec, and 3.5 minutes at 200 s/sec

Battery Consumption

Notes:

PGA-710B current flow with Main Power Switch **ON**:

1. During **Sleep Mode** (Main Power Battery Switch ON, unit OFF): 8 – 10mA. Unit in standby Panel keypad is energized
2. During **Normal Operations**: 108mA Unit is operating in remote or computer mode

3. **Computer USB Battery Charge:** $\approx 100\text{mA}$ Operating in computer mode and receiving 100mA current from USB port reduces battery drain rate to 8mA.
4. **Battery Charge** from AC/DC Charger: $\approx 280\text{ mA}$ Charge battery with Main ON, OFF, or during operations,

Temperature & Relative Humidity Sensor:

<u>Temperature</u>	
Range	-25 to 85 °C (-13 to 185 °F)
Accuracy	$\pm 0.8^{\circ}\text{C}$ ($\approx 2^{\circ}\text{F}$)
Response Time	6 ms in 20 l/min minimum air flow
<u>Humidity</u>	
Operating Range	0 – 100 percent (%)
Accuracy	$\pm 4.0\%$ Rh, 0-100% non-condensing

System Requirements

The following hardware and software is required to run the Autoanalysis Application Software.

- Microsoft® Windows® XP, Vista, Win7 32-bit, Win7 64-bit, Win8 32-bit, Win8 64-bit, Server 2003, Server 2008 or Server 2012
- 90 MHz Intel Pentium-class processor, or an AMD Opteron, AMD Athlon64 or AMD Athlon XP Processor
- 32 MB of RAM, 96 MB Recommended
- 110 MB of hard disk space required, 40 MB additional hard disk space required for installation (150 MB total)
- 800 x 600 or higher-resolution display with 256 colors
- Microsoft® Data Access Components 2.6
- Microsoft® DirectX 9b

Instrument input limits to ± 2 volts

Note: Providing over ± 2 Volts to the PGA-710B Autoanalyzer will void the warranty. For appropriate adapters or cables, please contact Prostat Corporation or your Prostat Authorized Reseller.