ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
(217) 352-9330 | sales@artisantg.com | artisantg.com

Full-service, independent repair center
with experienced engineers and technicians on staff.

We buy your excess, underutilized, and idle equipment
along with credit for buybacks and trade-ins.

Custom engineering
so your equipment works exactly as you specify.

- Critical and expedited services
- In stock / Ready-to-ship
- Leasing / Rentals / Demos
- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

All trademarks, brand names, and brands appearing herein are the property of their respective owners.

Find the *Harvard Apparatus / Hugo Sachs 603 EMM* at our website: ***Click HERE***



Electrometer Module

The HSE-HA Electrometer module is a high-impedance electrometer plug-in amplifier for the PLUGSYS measuring system. It is used to measure continuously concentrations with potentiometric electrochemical sensing electrodes. The main application is recording of pCO2 or Na+, K+ and Ca++ concentrations in biological fluids such as perfusate for isolated perfused organs, using the corresponding electrodes. The input circuit of the module includes an isolation amplifier (potential separation between sensing electrode and circuit ground of the PLUGSYS measuring system) to avoid measurement errors due to ground loops and leakage currents.

Full Description

The HSE-HA Electrometer module is a high-impedance electrometer plug-in amplifier for the PLUGSYS measuring system. It is used to measure continuously concentrations with potentiometric electrochemical sensing electrodes. The main application is recording of pCO2 or Na+, K+ and Ca++ concentrations in biological fluids such as perfusate for isolated perfused organs, using the corresponding electrodes. The input circuit of the module includes an isolation amplifier (potential separation between sensing electrode and circuit ground of the PLUGSYS measuring system) to avoid measurement errors due to ground loops and leakage currents.

Artisan Scientific - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisan-scientific.com

Specifications

Specifications	**730212**
Connector	DIN 41612, 96-pin VG
Display	3 1/2 -digit LED display
Gain	x10, x20, x50, x100 set internally using jumper
Input	Floating single-ended input, isolated barrier internally clamped to 300 V
Input Bias Current	±300 fA
Input Connector	Isolated BNC connector
Input Impedance	1015 ?
Millivolt Range	±1200 mV
Output	On BNC connector on front panel (±10 V, output impedance 100 Ohm); output voltage also available on PLUGSYS bus; signal output is assigned to connecting lines AV-1 to AV-16 through jumper
PLUGSYS Width*	2 slot units
Power Supply	+5 V/450 mA
Resolution	±one least significant digit
Simulation	Physiological measuring range for calibrating recording output can be simulated using 2 corresponding push buttons; for each simulated value can be adjusted in range of ±150 mV
Suppression	Only active on output, adjustable with 10 turn trimmer (max. ±10 V); suppression can be switched on and off

Artisan Scientific - Quality Instrumentation ... Guaranteed | (888) 88-SOURCE | www.artisan-scientific.com

Artisan Technology Group is an independent supplier of quality pre-owned equipment

Gold-standard solutions

Extend the life of your critical industrial, commercial, and military systems with our superior service and support.

We buy equipment

Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

Learn more!

Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

Artisan Scientific Corporation dba Artisan Technology Group is not an affiliate, representative, or authorized distributor for any manufacturer listed herein.

We're here to make your life easier. How can we help you today?

(217) 352-9330 | sales@artisantg.com | artisantg.com

ARTISAN® TECHNOLOGY GROUP