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



pH Measurement Module

The HSE-HA pH Measurement module is used to measure pH with pH glass electrodes. The main application is continuously pH recording with the combination pH electrodes for measurement in biological fluids such as perfusate for isolated perfused organs. 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.

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Specifications

Specifications	**730215**
Connector	DIN 41612, 96-pin VG
Display	3 1/2 -digit LED display
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	±600 mV
Offset Range at pH 7	±100 mV
Output	1 V per 1 pH on BNC connector on front panel (±10 V); output voltage is also available on PLUGSYS bus
PLUGSYS Width*	2 slot units
Power Supply	+5 V/450 mA (2.25 W)
Resolution	0.01 pH
Simulation	Physiological measuring range for calibrating recording output can be simulated using 2 corresponding push buttons; each simulated value can be adjusted in pH range of 0 to 14
Slope	45 mV/pH to 90 mV/pH
Slope Adjustment	2 point adjustment using calibrated buffer solutions
Suppression	OFF, output voltage 0 V = pH 0 and 10 V = pH 10 ON, output voltage 0 V can be adjusted to any pH in the range 0 to 14
pH Range	0 to 14

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