

MICROCOMPUTER BASED pH/mV/TEMP pH-VISION DATALOGGER MODEL 6091

FEATURES:

- Dual CMOS microcomputer design
- Error indications
- Touch keys with audio feedback
- user prompting annunciators
- Displays pH and temperature values simultaneously
- AUTOLOCK, endpoint sensing and hold
- Power down memory backup
- Rechargeable batteries for field applications
- Independent measurements with printer off
- Programmable print intervals from 10 seconds to 20 hours
- Prints sample and log numbers
- Prints operation instructions
- Prints and displays real time calendar from years to seconds
- Prints error messages
- Audible HIGH/LOW alarms
- Manual print
- Optional temperature/slope/offset compensated analog output
- Optional RS-232C output



SPECIFICATION

Meter

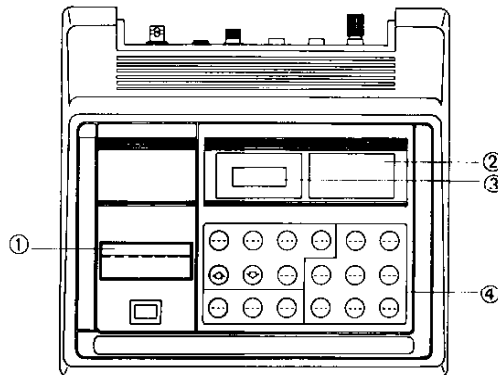
Range:	pH	-2.00 to 16.00
	Temp °C	0 to 99.9
	mV	-999 to 999
Resolution:	pH	0.01
	Temp °C	0.1
	mV	1
Accuracy:	pH (± 1 digit)	± 0.01
	Temp (± 1 digit)	± 0.5
	mV (± 1 digit)	$\pm 0.1\%$
Temperature Compensation:	Auto/Manual	0 to 99.9°C
Buffer recognition		pH 4, pH 7, pH 10
Buffer temperature range		0 to 60.4°C
Internal buffer T.C. table		Stored in 0.5°C intervals
Electrode slope recognition		$\pm 20\%$ at pH 4 and pH 10
Electrode offset recognition		± 1 pH at pH 7
Dual point standardization		pH 7 and pH 4, pH 7 and pH 10
AUTOLOCK, endpoint sensing		Yes
Power down battery backup		Yes
Audio feedback		Yes
Error indications		Yes
Analog output: Standard		$\pm 0.1\% \pm 1$ mV of input
optional		$\pm 0.2\% \pm 1$ mV of reading
Display: pH/mV		12.5 mm high LCD with pH/mV legend
Temp		7.5mm high LCD with °C legend
Display update		500 mS
Input Impedance		Greater than 10^{12} ohms

Datalogger

Printer		58 mm wide thermal dot matrix printer
Real time clock		Year/Month/Day/Hour/Minute/Second
Clock display		8 mm high LCD
Print interval		10 seconds to 20 hours
Manual print		Yes
Sample identification numbers		1 to 9999
Log identification numbers		1 to 9999
High/Low alarm set		Over measurement range

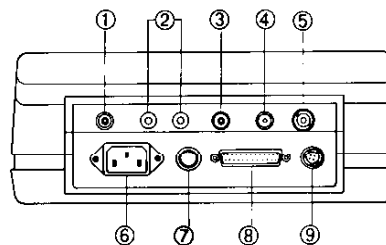
General

Power		Rechargeable batteries and 115 VAC, 230 VAC $\pm 15\%$, 50/60 Hz
Battery life		25 hours typical
Dimensions		250 mm \times 240 mm \times 100 mm
Weight		1.75 kg



(FRONT VIEW)

- ① PAPER OUTLET
- ② METER LCD DISPLAY
- ③ REAL TIME LCD DISPLAY
- ④ TOUCH KEYS



(REAR VIEW)

- ① EARTH GROUND CONNECTOR
- ② ANALOG OUTPUT
- ③ ATC PROBE CONNECTOR
- ④ REF. CONNECTOR
- ⑤ BNC ELECTRODE CONNECTOR
- ⑥ AC LINE CONNECTOR
- ⑦ FUSE
- ⑧ RS-232C CONNECTOR
- ⑨ "3 IN 1" ELECTRODE CONNECTOR