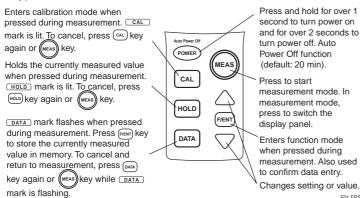
MODEL PH71 Personal pH Meter Quick Manual

This manual briefly describes preparation, measurement, and routine maintenance procedures for the Model PH71 Personal pH Meter. Before using the meter, read the User's Manual, IM 12B03D01-01E. The chapter and section numbers in this manual correspond to those in the User's Manual.

Keypad



A CAUTION

Do not apply physical shock or excessive force to the glass sensor, or it may break.

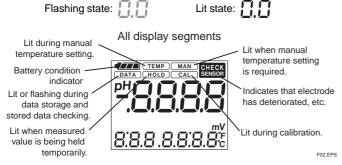
During sensor storage, keep the wetting cap with water-moistened cotton attached to the sensor.

Function Mode Item List

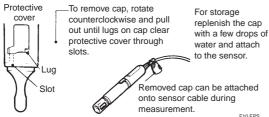
Item		Description
dAt	48F	Display stored data
M.tP	āŁP	Manual temperature setting
dEL.A	dEL.R	Delete all stored data
dAtE	dREE	Date setting
tIME	٤١ ٨٤	Time setting
ALM	RLĀ	Alarm time setting
A.oFF	Roff	Set Auto Power Off time
bZ.o	b∃.o	Set beep on/off
Std	558	Standard solution setting
I.CP	LEP	Initialize calibration parameters
tP.U	EPU	Set temperature unit
VEr	85-	Check version number
dFLG	dFLG	Defrag memory

T01.EPS

Display (Flashing state is indicated in gray in this manual)



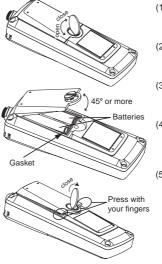
Wetting Cap



Dienla	w Cha	ractar	Table

Display Character Table					
Alphabet	Display	Alphabet	Display	Numerals	Display
А	A	N	ר	0	0
В	Ь	0	0	1	1
С	Ε	Р	P	2	2
D	Ь	Q	9	3	3
E	Ε	R	_	4	4
F	F	S	5	5	5
G	G	Т	Ł	6	6
Н	Н	U	U	7	7
ı	1	V	Ħ	8	8
J	J	W	ū	9	9
К	F	Х			
L	L	Y	y		
М	ō	z	Ξ		

1.1 Install batteries (after purchase, at battery replacement, or after long-term storage)



- (1) Loosen the screw holding the battery box cover using a coin or similar object.
- (2) Remove the battery box cover, and then install the batteries observing polarity diagram inside.
- (3) Make sure the gasket on the inside rim of the battery box is free of foreign material.
- (4) Put the cover back on. Insert the tabs on the top of the cover into the slots at an angle of at least 45° and lower the cover into position.
- (5) Press the both ends of the cover down with your fingers and tighten the screw to fix the cover onto the unit using a coin or similar object. Note: Do not attempt to tighten further when you feel resistance before the cover is fastened in place. Loosen

1.2 Connect sensor cable (if it has not been connected) When connecting sensor cable, tighten by turning only the silver locknut, do not turn cable or waterproof cover.

^{1.} Preparation (See Chapter 2)

^{*} Alphanumeric characters are displayed on the LCD as above

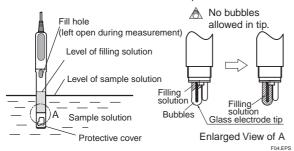
^{1.3} Set date and time (only after purchase or battery replacement)

2. Measurement (See Chapter 3)

Sample solution temperature should be in the range of 0 to 80 $^{\circ}\text{C}.$

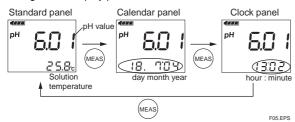
How to immerse the sensor

KCI refillable type sensor must be immersed so filling solution level is above the level of sample solution.



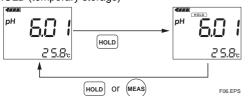
Measurement display

When the sensor is immersed into a sample solution, a pH value is displayed on the LCD. Each press of key cycles through three display panels.

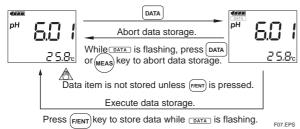


How to store a measured value

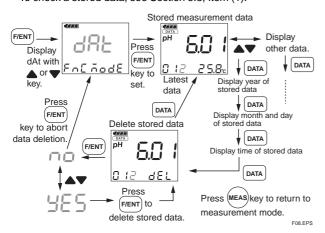
HOLD (temporary storage)



Data Storage (in memory)



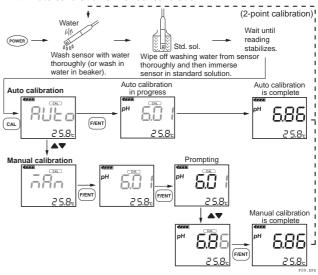
To check a stored data, see Section 5.3, Item (1).



3. Calibration (See Chapter 4)

Calibration should be performed when sensor is connected for the first time or after sensor is replaced.

Auto calibration & manual calibration



4. Maintenance

- Sensor cleaning (see Section 6.2)
 Immediately after measurement rinse the sensor with clean water to remove stains.
- Replenishment of filling solution (see Section 6.5)
 For KCl refillable type sensors, replenish the electrode with filling solution when level is low.
- Battery replacement (see Section 2.1)
 When is flashing, replace batteries. Always replace two batteries at the same time. After replacing, reset the time.
 After replacing, reset the time.
- O-ring/Gasket replacement (see Section 6.7)
 Using damaged or dirt O-ring on the connector and gasket in the battery box may not assure water resistance. Check for condition and replace if necessary.

5. Error Messages (See Section 7.2.)

Error Message		Description	Occurrence
Err1	Err 1	Unstable input emf	
Err2	Err2	Abnormal asymmetry potential	During calibration
Err3	Err3	Abnormal slope or calibration temperature	
Err4	Erry	Out of measuring range	
Err5	Errs	Out of temperature measuring range	During measurement
Err6	ErrB	Meter electronics failure	
_		T03.EPS	

For corrective actions, see Section 7.2.

When CHECK appears, electrode may still be used, but take action by referring to Section 7.4.

6. Storage (See Section 6.7.)

- · Before storage, wash off remaining sample solution from the sensor with water
- Keep a wetting cap with water-moistened cotton attached to the sensor.
- \cdot For KCl-refillable type sensors, seal the fill hole with a plug.
- · Leave the sensor connected to the meter.
- If the meter will not be used for long time, remove the batteries.