



Portable Soil pH METER

HI 99121



SECHANG INSTRUMENTS

1. Dear Customer

HI 99121

HI 991000

pH Meter HI 1292D

pH HI 721319 Soil drill

HI 7051M Soil preparation solution

HI 70004 Buffer solution pH 4.01 (1 pc.)

HI 70007 Buffer solution pH 7.01 (1 pc.)

HI 721312 hard carrying case

HI 740036 100ml plastic beaker (1 pc.)

: 가 ,

: HI 991000

2. pH

가 pH , pH ,

pH 가 가

pH

, , 가 , 가 ,

3. pH

pH , pH

PH 1 가 (Quantity)(q/ha)

Soil Ameliorants	Clay Soil	Silty Soil	Sandy Soil
CaO	30 ~ 50	20 ~ 30	10 ~ 20
Ca(OH) ₂	39 ~ 66	26 ~ 39	13 ~ 26
CaMg(CO ₃) ₂	49 ~ 82	33 ~ 49	16 ~ 33
CaCO ₃	54 ~ 90	36 ~ 54	18 ~ 36

(Gypsum) 100kg 가

Soil Ameliorants (pure compounds)	Quantity (kg)
Calcium chloride: CaCl ₂ - 2H ₂ O	85
Sulfuric acid: H ₂ SO ₄	57
Sulfur: S	19
Iron sulfate: Fe ₂ (SO ₄) ₃ · 7H ₂ O	162
Aluminum sulfate: Al ₂ (SO ₄) ₃	129

4. pH

1. 5cm .
2. 20cm . (HI 721319)
3. .
4. .
5. .
6. .
7. () ,
8. .
9. .

pH Soil solution
가 ,
Soil solution .

5. pH, Soil Solution

A)

1. , 1000m² (0.25acre)
1 .
2. (Quantity): .
3. : General: 5cm Herbaceous crops:
20 ~ 40cm Orchards: 20 ~ 60cm
4. .
(40 .)
5. , ,
6. .

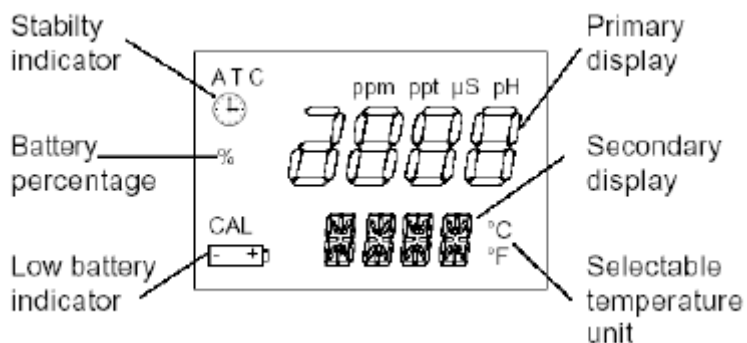
B) Soil solution preparation and measurement

1. 2mm .
2. 10g Soil solution (HI7051) 25ml
20g Soil solution 50ml .
3. 30 .
4. 5 .
5. , pH .

6. HI 991000 Portable pH Meter

Specifications

	PH	0.00 ~ 14.00
	Temperature	0.0 ~ 60.0
	PH	0.01pH
	Temperature	0.1
	PH	±0.01pH
	Temperature	±0.5
EMC	PH	±0.03pH
	Temperature	±1
PH		1 , 2 (: pH4.01/7.01/10.01, or pH4.01/6.86/9.18)
		HI 1291 pH/Temp.
		4 × 1.5V AAA (500hours)
		0 ~ 50 : RH 100%
		143×80×38mm



7.

Meter(HI 991000) (HI 1291)

Meter ON

2 ON/OFF/MODE

가

Meter OFF

ON/OFF/MODE

OFF

SET/HOLD 2

HOLD 가

가

8. pH

1. Meter

2. , pH 7 가

3. . (.)

4. , "-----" 가

5. pH

6.

9. (buffer)

1. **CAL** 가 6
ON/OFF/MODE
2. **ON/OFF/MODE**
pH 7.01 BUFF(for 4.01/7.01/10.01) pH
6.86 BUFF (for 4.01/6.86/9.18)
3. , **SET/HOLD**
4. **ON/OFF/MODE**

10. pH

1. OFF 가 **CAL** **ON/OFF/MODE**
3
2. **pH 7.01 USE** **pH 6.86 USE**
가
3. “1 pH ” ,
OK 1
4. “2 pH ” , pH 7.01(or 6.86)
OK 1
 , pH 4.01USE
5. 가
OK 1
가

11. (&)

CAL 가 ON/OFF/MODE
6 SET/HOLD
ON/OFF/MODE

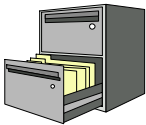
12.

ON/OFF/MODE 가
1 ESC 가
CAL 가
()

13. Other accessories

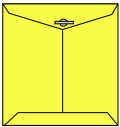
HI 710007 Protective rubber boot

HI 99121
pH
Portable Soil pH Meter



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