

Inspection Report
Handheld pH/ICN/ORP Meter Model HM-40P

Date May.9,2023 Temp.&Humidity 14 °C 50 %

Result

Good

1 External view test

Standard : No abnormality

2. pH indicating value test

Standard : pH indicated value ; Within $\pm 0.03\text{pH}$ against input value

Input value (pH)	0.00	4.00	7.00	10.00	14.00
Indicated value (pH)	0.00	4.00	7.00	10.00	14.00

Good

3. Insulation resistance test

Standard : Difference of each ; Within 0.08pH

Input value	Indicated value
pH14.00 0NΩ	pH 14.00
pH14.00 1000NΩ	pH 13.98

Good

4. pH repeatability test

Standard : Within $\pm 0.02\text{pH}$ against average value

Input value	pH14.00
1st time	pH 14.00
2nd time	pH 14.00
3rd time	pH 14.00
Average value	pH 14.00

Good

5. mV indicating value test

Standard : mV indicated value ; Within $\pm 3\text{mV}$ against input value or $\pm 0.2\%$ rdg against input value

Input value (mV)	-2000	-1000	0	1000	2000
Indicated value (mV)	-2001	-1000	0	1000	2000

Good

6. Temperature indicating value test

Standard : Temp. indicating value ; Within $\pm 0.4^\circ\text{C}$ against input value

Input value (°C)	0.0	25.0	50.0	75.0	100.0
Indicated value (°C)	0.0	25.0	50.0	75.0	100.0

Good

7. Temperature repeatability test

Standard : Within $\pm 0.2^\circ\text{C}$ against average value

Input value	50.0°C
1st time	50.0 °C
2nd time	50.0 °C
3rd time	50.0 °C
Average value	50.0 °C

Good

Tested by TANAKA S. HANNA

Approved by TSURUMI TAKESHI