

MDS-PH55 Series Benchtop pH meter

Product Overview

The MDS-PH55 series benchtop pH meter is a routine laboratory analytical instrument suitable for measuring the pH value of sample solutions in laboratories such as pharmaceuticals, environmental protection, health, geological prospecting, universities, and scientific research institutions.

Features& Benefits

1. Displays calibration, measurement, and data stability symbols, as well as temperature and electrode slope.
2. Supports backlight, factory reset, manual temperature compensation, and continuous measurement mode.
3. Automatically recognizes NIST, USA, and EURO calibration for up to 5 points.
4. Supports equilibrium measurement mode and data lock (MDS-PH55-3/4/5).
5. Supports automatic power off (MDS-PH55-3/4/5) and automatic temperature compensation (MDS-PH55-4/5).
6. Supports data storage, deletion, and review (MDS-PH55-3/4/5), data printing, and data transfer, and supports mV resolution switching.



Technical Parameters

MODE NO.		MDS-PH55-1	MDS-PH55-2	MDS-PH55-3	MDS-PH55-4	MDS-PH55-5
Power supply voltage		External power adapter: output DC9V (input: AC100~240V)				
Display screen		4-inch LCD screen	4-inch LCD screen	6-inch LCD screen	6-inch LCD screen	6-inch LCD screen
Temperature compensation		Manual	Manual	Manual	Manual/ Automatic	Manual/ Automatic
mV	Range	-1599~1599	-1800~1800	-1999~1999	-1999~1999	-2000~2000
	Resolution	1	1	1	1	0.01
	Indication error	±1%FS	±0.1%FS	±0.1%FS	±0.1%FS	±0.03%FS
pH	Range	0.00~14.00	0.00~14.00	-2.00~18.00	-2.00~18.00	-2.00~18.00
	Resolution	0.01	0.01	0.01	0.01	0.001
	Indication error	±0.05	±0.01	±0.01	±0.01	±0.002
Punctuation recognition	NIST	4.00, 6.86, 9.18	4.00, 6.86, 9.18	4.00, 6.86, 9.18	4.00, 6.86, 9.18	1.68, 4.00, 6.86,
	USA	4.01, 7.00, 10.01	4.01, 7.00, 10.01	4.01, 7.00, 10.01	4.01, 7.00, 10.01	1.68, 4.01, 7.00,
	EURO	4.01, 7.01, 9.21	4.01, 7.01, 9.21	4.01, 7.01, 9.21	4.01, 7.01, 9.21	1.68, 4.01, 7.01,
Multi-point calibration		2-point	2-point	3-point	3-point	5-point
Data storage function		/	/	50 servings	50 servings	500 servings
Automatic shutdown		/	/	YES	YES	YES
Bracket type		Basic bracket	Basic bracket	Movable bracket	Movable bracket	Movable bracket
Electrode interface		Q9	Q9	Q9	Q9	Q9
Net Weight		≈1000g	≈1000g	≈1000g	≈1000g	≈1000g
Size(L*W*H) mm		194*189*75	194*189*75	194*189*75	194*189*75	194*189*75