



# MW150 Multiparameter pH / ORP / Temperature Bench Meters



### 3. SPECIFICATIONS

		<b>MW150</b>	<b>MW151</b>
Range *	pH	-2.00 to 20.00 pH	-2.00 to 20.00 pH -2.000 to 20.000 pH
	mV	±2000.0 mV	±2000.0 mV
	Temp.	-20.0 to 120.0 °C (-4.0 to 248.0 °F)	-20.0 to 120.0 °C (-4.0 to 248.0 °F)
Resolution	pH	0.01 pH	0.01 pH 0.001 pH
	mV	0.1 mV	0.1 mV
	Temp.	0.1 °C (0.1 °F)	0.1 °C (0.1 °F)
Accuracy @ 25°C (77°F)	pH	±0.01 pH	±0.01 pH ±0.002 pH
	mV	±1 mV	±1 mV
	Temp.	±0.4 °C (±0.8 °F)	±0.4 °C (±0.8 °F)
pH calibration		up to 3-point automatic 7 standard buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45) no custom buffers	up to 5-point automatic 7 standard buffers (pH 1.68, 4.01, 6.86, 7.01, 9.18, 10.01, 12.45) 2 custom buffers
	Temperature compensation	Automatic -20.0 to 120.0°C (-4.0 to 248.0 °F) Manual (without temperature probe)	Automatic -20.0 to 120.0°C (-4.0 to 248.0 °F) Manual (without temperature probe)
Log	Memory function		Maximum 1000 log records (stored in up to 100 lots) Log on demand, 200 logs Log on stability, 200 logs Interval logging, 1000 logs
PC connection	none		1 USB port, 1 micro USB port
Power supply	12 VDC adapter		12 VDC adapter, 5 VDC USB adapter
Battery life	8 hours		
Auto-off	5, 10, 30, 60 min. or off		
Environment	0 to 50 °C; max RH 95%		
Dimensions	230 x 160 x 95 mm (9.0 x 6.3 x 3.7")		
Weight	0.9 kg (2.0 lb.)		
Warranty	3 years		

\* Limits will be reduced to actual sensor limits

---

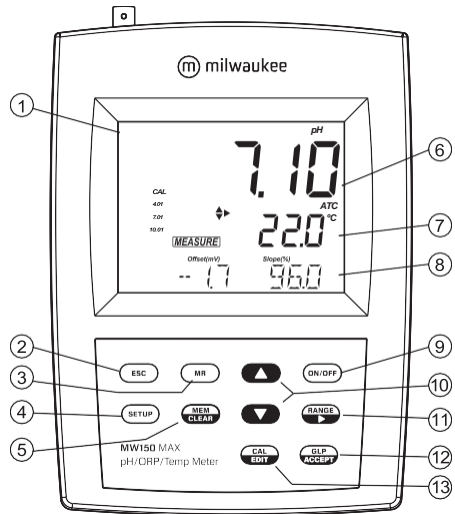
pH electrode <b>MA917B/1</b>	pH range	0 to 14 pH
	Temperature range	0 to 70°C (32 to 158 °F)
	Shaft material	glass
	Reference electrolyte	KCl 3.5M
	Reference junction	ceramic, single
	Reference type	double, Ag/AgCl
	Maximum pressure	0.1 bar
	Connector type	BNC
	Cable length	1 m
	Shaft length	120 mm
Diameter	12 mm	

---

## 4. FUNCTIONAL & DISPLAY DESCRIPTION

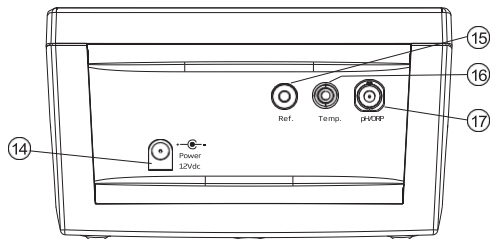
### Front Panel MW150

1. Liquid Crystal Display (LCD)
2. ESC key, to leave current mode
3. MR key, to recall the stored value from memory
4. SETUP key, to enter setup mode
5. MEM/CLEAR key, to store the reading or to clear calibration or memory
6. First LCD line, measurement readings
7. Second LCD line, temperature readings
8. Third LCD line, message area
9. ON/OFF key, to turn the meter ON and OFF
10. ▲▼ keys, to change manual temperature, select setup parameters and choose calibration buffers
11. RANGE/▶ key, to select pH or mV
12. GLP/ACCEPT key, to enter GLP or to confirm selected action
13. CAL/EDIT key, to enter/edit calibration settings, edit setup settings

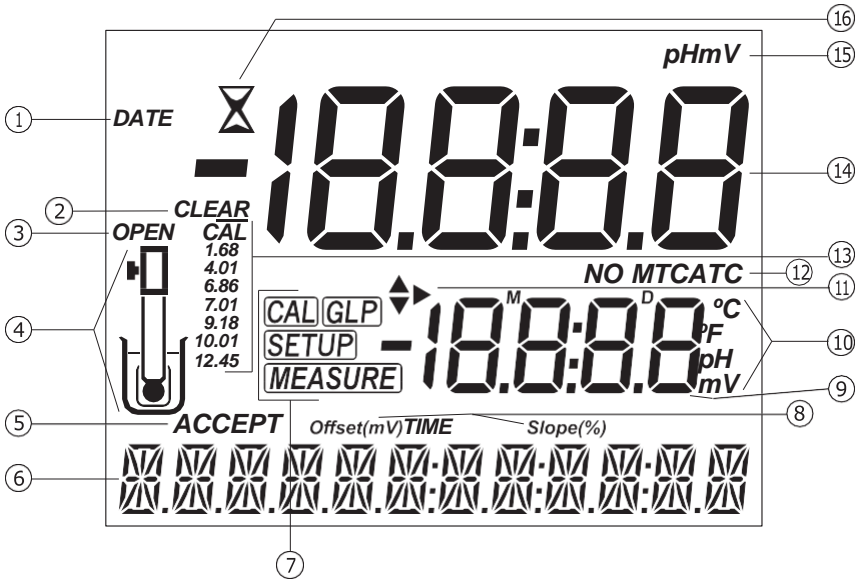


### Rear Panel MW150

14. Power supply socket
15. Reference electrode socket
16. Temperature probe socket
17. BNC electrode connector



Display Description MW150



1. Status information
2. Clear message/calibration/memory
3. OPEN is displayed when the electrode cap has to be removed.  
Refill cap is displayed blinking before calibration.
4. Electrode symbol
5. Accept tag
6. Third LCD line, message area
7. Mode tags
8. Offset/slope indicators
9. Second LCD line, temperature measurement
10. Temperature and measurement units
11. Arrow tags, to help user select required information
12. Temperature compensation status (MTC, ATC)
13. pH calibration buffers
14. Primary LCD, measurement line
15. Measurement units
16. Stability indicator