

Comparison of Metrohm pH meters



	826	827	780	781	867
Measuring range					
pH	0 ... 14 (-13 ... +20)		0 ... 14 (±20)		0 ... 14 (-13 ... +20)
mV	±1200		±2200		±1200
Temperature Pt 1000 [°C]	-150 ... +250		-150 ... +250		-150 ... +250
Temperature NTC [°C]	-5 ... +250		-20 ... +250		-5 ... +250
Concentration	-		-		$10^{-21} ... 10^{+20}$
Resolution: pH	0.001		0.001		0.001
Resolution: U [mV]	0.1		0.1		0.1
Resolution: T [°C]	0.1		0.1		0.1
pH-calibration (number of buffers)	3		9		5
Stability control (drift display)	x		x		x
Plot function pH/mV/T versus time	-		x		x
Automatic buffer recognition	x		x		x
Saving of calibration data incl. graph	only data		x		x
Automatic temperature compensation	x		x		x
Automatic electrode test	-		x		x
Remote stirrer control	-		x		x
Handling of intelligent dosing elements	-		-		x
Automatic standard addition	-		-		Dosino/Dosimat
Touch Control with color display or PC-Control	-		-		x
Method memory	-		x		x
Result memory	x		x		x
Print out according to GLP/ISO	x		x		x
GLP/GMP and FDA compliance (21 CFR Part 11)	-		-		x
Additional input for intelligent electrodes	-		-		x
Ipol or Upol integrated polarizer	-		-		x
Printer connection	IrDA		RS232		USB
2 USB connections for sample processor, printer, ...	-		-		x
MSB connection	-		1 (stirrer)		4 (stirrer, Dosino)
Sample processor (optional)	-		remote		USB
Line operation with 100...240 V, 50/60 Hz	Battery only	x	x		x
Lablink	-		-		x
Language	English		German/English/Spanish/French		PC-Control / Touch Control: German/English/Spanish/French tiamo™ : German/English