

# HM DIGITAL'S COM-100: The most features at the best price!

How the under \$100 waterproof EC/TDS meters stack up

Feature	HM Digital COM-100	Hanna DIST 5/6	Oakton (Eutech) TDS/EC Testr Series	Milwaukee Sharp Waterproof series
THREE TRUE SCALE EC-to-TDS CONVERSION FACTORS	●			
THREE TRUE SCALE ATC COEFFICIENTS	●			
CALIBRATION ALLOWABLE TO ANY POINT WITHIN RANGE	●			
WIDE RANGE	●			
AUTO-RANGING	●			
0.1 ppm/ $\mu$ S RESOLUTION	●		●*	
EC & TDS READINGS	●	●		
ON-SCREEN TEMP. DISPLAY	●	●	●	
TEMPERATURE	●	●	●*	
DIGITAL CALIBRATION	●	●	●	
REPLACEABLE ELECTRODES	●	●	●	●
WATERPROOF	●	●	●	●

\* Oakton (Eutech) TDS/EC Testrpure+ models only.  
Oakton (Eutech) Plus series only.

*If 2 different meters made by Hanna, 4 different meters made by Milwaukee and 20 different meters*

*Photos not to scale.*

# COMPARISON CHART OF WATERPROOF EC/TDS METERS UNDER \$100

Parameter Ranges	HM DIGITAL	HANNA		OAKTON (Eutech) Big Display Plus EC/TDS Testrs					MILWAUKEE			
	COM-100	DIST 5	DIST 6	Pure+	High	Pure+	Low	High	C65	C66	T75	T76
<b>EC</b>	0-9990 $\mu$ S	0-3999 $\mu$ S	0-20.00mS	0-199.9 $\mu$ S	0-19.99 mS	-	-	-	0-1999 $\mu$ S	0-10 mS	-	-
<b>TDS</b>	0-8560 ppm	0-2000 ppm	0-10.00ppt	-	-	0-199.9 ppm	0-1999 ppm	0-10.00 ppt	-	-	0-1999 ppm	0-999 ppm
<b>Salinity</b>	-	-	-	-	-	-	-	-	-	-	-	-
<b>Temperature</b>	0-80°C, 32-176°F; .1°	0-60°C, 32-140°F; .1°	0-60°C, 32-140°F; .1°	0-50°C, 32-122°F; .1°	0-50°C, 32-122°F; .1°	0-50°C, 32-122°F; .1°	0-50°C, 32-122°F; .1°	0-50°C, 32-122°F; .1°	-	-	-	-
<b>Auto-Ranging</b>	Yes	-	-	-	-	-	-	-	-	-	-	-
<b>Accuracy (non-temp)</b>	+/- 2%	+/- 2%	+/- 2%	+/- 1% F.S.	+/- 1% F.S.	+/- 1% F.S.	+/- 1% F.S.	+/- 1% F.S.	+/- 2%	+/- 2%	+/- 2%	+/- 2%
<b>Resolution</b>	.1, 1, 10 ppm/ $\mu$ S	1 ppm/ $\mu$ S	.01 ppt/mS	0.1 $\mu$ S	.01 mS	0.1 ppm	1 ppm	0.01 ppt	1 $\mu$ S	.01 mS	1 ppm	10 ppm
<b>Calibration</b>	Auto-Ranging digital to any value	Auto to 1 value		Digital at 1 point (200-1990)					Manual to 1 value			
<b>EC-to-TDS Conversion Factors</b>	True non-linear KCl, 442, NaCl ratios	Static ratios (0.45-1.0)		Static Ratios (0.40-1.0)					-			
<b>ATC coefficients</b>	3 scales for KCl, 442, NaCl	Adjustable from 0 to 2.4		Automatic (set)					Automatic (set)			
<b>Waterproof</b>	Yes; Floats	Yes; Floats		Yes; Floats					Yes			
<b>Electrodes</b>	Replaceable Platinum	Replaceable graphite		Replaceable graphite					Replaceable Steel			
<b>Memory</b>	Simple data hold	Simple data hold		Simple data hold					-			
<b>Temp Display</b>	Simultaneous (C/F)	Simultaneous (C/F)		Simultaneous (C/F)					-			
<b>Display Size</b>	17 x 23 mm	22 x 20 mm		21 x 27 mm					9 x 19 mm			
<b>Unit Size</b>	185 x 34 x 34 mm	163 x 40 x 26 mm		165 x 38 x 38 mm					178 x 25 x 25 mm			
<b>Batteries</b>	3 x 1.5 volts	4 x 1.5 volts		4 x 1.5 volts					3 x 1.5 volts			
<b>Low Batt Indicator</b>	Yes	Yes		Yes					-			
<b>Auto-Shut Off</b>	After 5 minutes	After 8 minutes		After 8.5 minutes					-			
<b>Extras</b>	Lanyard, Case	Probe removal tool		Plastic storage case					Case, cal. solution, cal. screwdriver			
<b>Warranty</b>	One Year	One Year (6 mos for probe)		One Year (6 mos for probe)					2 Years			
<b>List Price</b>	\$75.00	\$86.00		\$89.95					\$62.00			