

Note: Leak detection equipment installed in systems with greater than 10% ethanol should be free of zinc, lead, aluminum, tin or their alloys (brass, terne (lead-tin alloy)).								
MA# Manufacturer	Model	TEST TYPE	Minimum Fill	Test Period	THRESHOLD	MAX. CAPACITY	COMMENT	
20080005 (EECO System) OPW	SiteSentinel iSite--2 or 4 inch float--Probe 924B	0.2	50%	30 Min.	0.1	20,000	System automatically determines minimum time based on test conditions being met. Test times will be longer for larger tanks.	
	SiteSentinel iSite---4 inch float---Probe 924B	0.1	95%	1.5 Hrs	0.05	20,000		
	SiteSentinel iSite---2 inch float---Probe 924B	0.1	95%	6.0 Hrs	0.05	20,000		
	SiteSentinel iSite-4 inch float-Probe Q0400-4XX	0.2	50%	4.0 Hrs	0.1	20,000		
20080009 (EECO System) OPW (Renewal for 20030003)	1500 & 2000	0.2	9%	3.3 Hrs	0.1	20,000	System automatically determines minimum time based on test conditions being met. Test times will be longer for larger tanks. SLD 130K Maximum Throughput	
	Probe Q0400-4XX (Magnetostrictive)	0.1	95%	3.5 Hrs	0.05	20,000		
	EECO SLD Probe Q0400-4XX (Magnetostrictive)	.2 Cont.	9%			2 Tank Max. <=35K		
20080010 OPW (Revised 20030001)	PETROSONIC III Probe 613	0.2	59%	2 Hrs		15,000		
	SITE SENTINAL Probe 613	0.2	14%	2 Hrs		15,000		
	SITE SENTINEL I,II,III, iTouch Probe 924	0.2	50%	⇒		20,000	30 & 60 Minute Test	
	SITE SENTINEL I,II,III, iTouch Probe 924	0.2	14%	⇒		20,000	2 & 3 Hour Test	
	SITE SENTINEL I,II,III VTTT Probe 613	0.1	95%	⇒		15,000	2 & 3 Hour Test	
	SITE SENTINEL I,II,III VTTT, iTouch Probe 924	0.1	95%	⇒		20,000	2 & 3 Hour Test	
20060002 Franklin Fueling	INCON TS-5, 550, 750, 1000, 1001, 2001, 5000 Probe: TSP-LL2	0.2	See Below	5 1/4 Hrs	0.1	15,000	Test time is an average; actual times based on pre-set test condition criteria	
		0.1	95%	5 3/4 Hrs	0.05			
	INCON TS-5, 550, 750, 1000, 1001, 2001, 5000 Probe: TSP-LL2	0.2 ONLY	See Below	<7 Hrs	0.1	30,000	Maximum 3 Manifolder Tanks	
	TS-5, 550, 750, 1000, 1001, 2001, 5000 SCALD	0.2	15%	Continuous	0.1	49,336	Maximum Monthly Throughput of 304,620 gallons	
	Tank Diameter = Product Required	Tank Diameter = Product Required	Tank Diameter = Product Required				Will not test if below minimum.	
24" 9" 72"	15" 120"	21"				2000 Scald See MA 96000037		
36" 10.5" 76"	15.5" 126"	21.5"						
48" 12" 84"	16.5" 132"	22"						
52" 12.5" 96"	17.5" 144"	23.5"						
64" 14" 108"	19"							
20050005 Veeder-Root Co. TLS, EMC Series Pro Plus, ProMax (Supercedes 20030004R1, 20030007) (Revised 2002005R1)	Probe 7842 (Capacitance) All Models Except TLS2	0.2	50%	5 Hrs	All probes have a preset threshold which cannot be changed. Pass or Fail	15,000	Note: Capacitance probes will not function properly when the ethanol content is above 10%.  28 Days 227,559 thru-put 28 Day 226,848 thru-put Checks fuel level. Will not test if below minimum requirement.	
	Probe 8472 (Capacitance) All Models Except TLS250, TLS250i & TLS2	0.1	95%	2 Hrs		15,000		
	Probe 8463 & 8473 (Magnetostrictive) TLS250iPlus, TLS300, TLS300i, TLS300iPlus,	0.2	50%	2 Hrs		15,000		
	Probe 8463 & 8473 TLS 350 Series, TLS2, ProMax, EMC except Basic	0.1	95%	2-5 Hrs		20000		
	8463 and 8473 W/CSLD TLS300, TLS350, EMC Series, ProPlus, ProMax	0.2	See Below	2 Hrs		30000		
		.2 Cont.	5%			45000 single		
						37K manifolded		
	Tank Diameter = Product Required	Tank Diameter = Product Required	Tank Diameter = Product Require					
	24-26" 9" 70-79"	24" 123-133"	39"					
	27-36" 12" 80-90"	27" 134-143"	42"					
37-47" 15" 91-101"	30" 144-154"	45"						
48-58" 18" 102-111"	33" 155-165"	48"						
56-69" 21" 112-122"	36" 166-175"	51"						
20050001 Southwest Envir. Srvs	US Test Model 2001	0.2	50%	30 Min.	0.1	15,000	Ultrasonic Probes	
		0.1	95%	1 Hr.	0.05	15,000		
20040007 OMNTEC Mfg.	OEL8000II	0.2	See below	4.5 Hrs.	0.1	30,000		
	OEL8000II w/CITLDS	0.2	12.70%	Continuous	0.1	18,000		
	Minimum product level based on tank diameter:							
	Tank Diameter = Product Required	Tank Diameter = Product Required	Tank Diameter = Product Require					
0-48" = 12"	73-96" = 20"	133 or greater = Contact OMNTEC						
49-64" = 15"	97-126" = 15.5"							
65-72" = 16"	127-132" = 26"							

MA# Manufacturer	Model	TEST TYPE	Minimum Fill	Test Period	THRESHOLD	MAX. CAPACITY	COMMENT			
20040006 Franklin Fueling Sys. (Revised 20020004) For EBW systems prior to March 1, 2004 see MA 20020004	AUTOSTIK II & JR w/ Magnetostrictive Probe	0.2	See below	5 1/4 Hrs	0.1	15,000	Test time is an average; actual times based on pre-set test condition criteria			
		0.1	95%	5 3/4 Hrs	0.05	15,000				
	AUTOSTIK II & JR w/ TSP-LL2 series probe	0.2	See below	< 7 hrs.	0.1	30,000				
	AUTOSTIK II & JR w/ SCALD 2.0	0.2	14%	Continuous	0.1	49,336	Throughput Restrictions/2 max. manifolded			
	Minimum product level based on tank diameter:									
	Tank Diameter = Product Required    Tank Diameter = Product Required    Tank Diameter = Product Require									
26" = 9"                      72" = 15"                      120" = 21"										
36" = 10.5"                      76" = 15.5"                      126" = 21.5"										
48" = 12"                      84" = 16.5"                      132" = 22"										
52" = 12.5"                      96" = 17.5"                      144" = 23.5"										
64" = 14"                      108" = 19"										
20030008 Caldwell Systems Corp.	Tank Manager ATG System	0.2	18 in.	3 Hrs, 15 min.		20,000	Ultrasonic probe			
		0.1	95%	3 Hrs, 15 min.		20,000	Ultrasonic probe			
20030007 Veeder-Root Co. Red Jacket Pro Plus & ProMax	Probe 7842 (Capacitance) w/ ProPlus & ProMax	0.2	50%	5 hrs	All probes have a preset threshold which cannot be changed by operator. Pass or Fail Only	15000				
	Probe 8472 (Capacitance) w/ ProPlus & ProMax	0.2	50%	2 Hrs						
		0.1	95%	2 Hrs						
	Probe 8463 & 8473 (Magnetostrictive)w/ ProPlus	0.2	see below	2 hrs						
		0.1	95%	3 Hrs						
	Probe 8463 & 8473 (Magnetostrictive) w/ProMax	0.2	see below	2 Hrs						
		0.1	95%	2-5 Hrs						
	Probe 8463 & 8473 (Magnetostrictive) w/CSLD	0.2	5%							
	Minimum product level based on tank diameter:									
	Tank Diameter = Product Required    Tank Diameter = Product Required    Tank Diameter = Product Require									
24-26"                      9"                      70-79"                      24"                      123-133"                      39"										
27-36"                      12"                      80-90"                      27"                      134-143"                      42"										
37-47"                      15"                      91-101"                      30"                      144-154"                      45"										
48-58"                      18"                      102-111"                      33"                      155-165"                      48"										
59-69"                      21"                      112-122"                      36"                      166-175"                      51"										
20030004R1 Veeder-Root Co. TLS Series (Supersedes 20030004)	Probe 7842 (Capacitance) All Models Except TLS2	0.2	50%	5 Hrs	All probes have a preset threshold which cannot be changed. Pass or Fail	15,000	Note: Capacitance probes will not function properly when the ethanol content is above 10%.			
	Probe 8472 (Capacitance) All Models Except TLS250, TLS250i & TLS2	0.1	95%	2 Hrs		15,000				
	Probe 8463 & 8473 (Magnetostrictive)	0.2	50%	2 Hrs		15,000				
	TLS250iPlus, TLS300, TLS300i, TLS300iPlus, TLS300C	0.1	95%	3 Hrs						
	Probe 8463 & 8473	0.2	See Below	2 Hrs						
	TLS 350 Series & TLS2	0.1	95%	2-5 Hrs		20000				
		0.2	See Below	2 Hrs		30000				
	8463 or 8473 W/CSLD					45000 single				
	TLS300 & TLS350 Series	.2 Cont.	5%			37K manifolded				
	Tank Diameter = Product Required    Tank Diameter = Product Required    Tank Diameter = Product Require									
24-26"                      9"                      70-79"                      24"                      123-133"                      39"										
27-36"                      12"                      80-90"                      27"                      134-143"                      42"										
37-47"                      15"                      91-101"                      30"                      144-154"                      45"										
48-58"                      18"                      102-111"                      33"                      155-165"                      48"										
56-69"                      21"                      112-122"                      36"                      166-175"                      51"										

ATG LEAK DETECTION QUICK REFERENCE

MA# Manufacturer	Model	TEST TYPE	Minimum Fill	Test Period	THRESHOLD	MAX. CAPACITY	COMMENT	
20020005R1 GILBARCO, INC.	TM-2, TM-3, EMC Probe PA0238 (Capacitance)	0.2 ONLY	50%	5 Hrs	All probes have a preset threshold which cannot be changed. Pass or Fail	15,000		
	TM-2, TM-3, EMC PROBE PA0264 (Capacitance)	0.2	50%	2 Hrs		15,000		
	TM-2, TM-3 Probes PA0265 & PA0300 (Magnetostrictive)	0.1	95%	2 Hrs		15,000		
	EMC	0.2	See Below	2 Hrs		15,000		
	Probes PA0265, PA0300 (Magnetostrictive)	0.1	95%	3 Hrs		20,000		
	EMC W/CSLD	0.2	See Below	2 Hrs		20,000		
	Probes PA0265, PA0300 (Magnetostrictive)	0.1	95%	2-5 Hrs	Will not test below minimum	45K, 37K Mani- fold Aggregate	Throughput 227,559 single 226,848 Aggregate	
	Tank Diameter = Product Required		Tank Diameter = Product Required		Tank Diameter = Product Required			
	24"- 26"	9"	70"- 79"	24"	123"- 133"	39"		
	27"- 36"	12"	80"-90"	27"	134"- 143"	42"		
37"- 47"	15"	91"- 101"	30"	144"- 154"	45"			
48"- 58"	18"	102"- 111"	33"	155"- 165"	48"			
59"- 69"	21"	112"- 122"	36"	166"- 175"	51"			
20020004 EBW, Inc.	AUTOSTIK II & JR w/ 960/961 Series Probes	0.2	50%	4 hrs	0.1	15,000	Testing can be performed on one tank at a time. <150K Monthly thru-put Testing can be performed on one tank at a time.	
	AUTOSTIK II & JR CSLD v31 or v51	0.1	95%	4 hrs	0.05	15,000		
	NOTE: EBW 970 & 973 series probes are for inventory measurements only, not for leak detection. SEE 990053 for AUTOSTIK	0.2	30%		0.07	30,000		
990053 EBW, Inc.	Autostik (950 series) ONLY	0.2	10%	4 hrs	0.1	15,000		
		0.1	95%	4 hrs	0.05	15,000		
SEE 20020004 for Autostik II & Jr								
20010019 Emco Electronics	EECO TLM 1000, 3000	0.2	14%		0.1	20,000	See 20030003 for EECO 1500,2000,SLD	
		0.1	95%		0.05	20,000		
20080006 (Renewal for 20000007) Pneumercator Co.,Inc	TMS2000 & TMS3000 Probe 450S or 7100 (Magnetostrictive)	<20K	0.2	20%	2 hrs	0.1	20,000	Pneumercator probe number 450S
		>20K	0.1	95%*	7 hrs	0.05	20,000	is the same as the Ametek Patriot 7100
		>20K	0.2	50%	8 hrs	0.1	75,000	probe used in the 3rd-party evaluation
990047 The Marley Pump Co. Red Jacket	RLM5000, RLM5001,RLM9000	0.2	50%	Test time not available.	0.058	15,000	All probes are magnetostrictive or ultrasonic. No probe numbers available.	
		0.1	95%		0.05	15,000		
	ST1400, ST1401,ST 1401L, ST1800, ST1801, St1801L, Prolink Ultra	0.2	15"	0.09	73,500			
		0.1	95%	0.05	73,500			
960043 OMNTEC	OEL 8000 Probes are Magnetostrictive	0.2	50%		VARIABLE	15,000	Tests are manually initiated. No probe numbers available.	
960037 Intelligent Controls	INCON TS 2000	0.1	95%		VARIABLE	15,000		
		0.2	50%		0.058	15,000	Magnetostrictive or Digital Level Probes No probe numbers available.	
	SCALD	0.2	7%			30,000	108K Maximum Monthly Throughput	
950069 Engineered Systems	ESI IMAGE	0.2	90%		0.1	15,000		
950056 P C Interactive	AINLAY TANK MASTER	0.2	50%		0.05	75,000		
	TANK MASTER JR	0.2	20%		0.05	30,000		
940078 Universal Sensors	TICS 1000	0.2	90%		0.1	15,000		

ATG LEAK DETECTION QUICK REFERENCE

MA# Manufacturer	Model	TEST TYPE	Minimum Fill	Test Period	THRESHOLD	MAX. CAPACITY	COMMENT
930080 Andover Controls Corp.	TMU & INFINITY	0.2	50%		0.2	15,000	
		0.1	95%		0.1		
930071 Tidel Engineering	EMS 3500	0.2	15%		0.1	15,000	
		0.1	95%		0.05	15,000	
	EMS 2000 & EMS3000	0.2	50%		0.05	15,000	
930058 L&J Environmental	MCG 1100,8100	0.2	50%		0.1	15,000	
		0.1	95%		0.05	15,000	
920092 Ronan Engineering	API/RONAN	0.2	10%		0.1	15,000	
		0.1	95%		0.05	15,000	
920052 Alert Technologies	SMART STICK I 2000	0.2	50%	1-15 hrs	0.1	15,000	
920030 MagneTek Controls	7021	0.2	10%	6 hrs	0.2	15,000	Probe #7030
		0.1	95%	12 hrs	0.1	15,000	
910107 Wm. Wilson's Sons Inc.	GASBOY TMS 500	0.2	50%	3hrs	0.2	15,000	Unknown probes.
		0.1	95%	9hrs	0.1	15,000	Magnetostrictive Probe
910093 Mallory Controls	IMAGE	0.2	90%		0.1	15,000	