Ethylene Analyzer Comparison

	The F-900 is the most versati		I Companison	1	I	I
	available with the ability to:					
	directly from a single fruit non-destructively,					
	continuously monitor storage rooms, act as an alarm,					
	fan, or gas controller, integra	-				
	systems, measure small-volume samples with GC					
	emulation mode, and act as a portable inspection					
	tool. The F-900 is sensitive to low levels of ethylene,					
Summary	but can also be used to measure ripening applications					
	in high-ethylene environments. The F-900 is the only					
	device that includes a patented PolarCept water filter					
	that removes interferring gas					
	which would otherwise lead					
	readings on the electrochem					
	the F-900 Portable Ethylene					
	competitors, please view the	F-900 product				
					Interscan Portable Ethylene	
					Analyzer (4000) 0-19.9	Ethylene Analyzer (4000)
Specifications	F-900	EMS MacView	EASI-1 (Absoger)	ETD-300 (Sensor Sense)	ppm range	0-199.9 ppm range
		Electrochemical				
Sensor Type	Electrochemical	(nanogold)	Electro-catalytic	Photo acoustic	Electrochemical	Electrochemical
		180-7200 seconds per				
Air Sampling Rate	200 ml/min	cell		0.25-5 L/h	Less than 1 second	Less than 1 second
	0-2ppm + 0-200 ppm	0-5000 ppb or 0-500	0.01ppm - 100 ppm; 0.1ppm -			
Range	included	ppm	400ppm	0-5 ppm	0-19.9 ppm	0-199.9 ppm
nange	moducu	1 ppb (0-5000 ppb) or	Тосррии	о з рр	о 13.5 рр	о 133.5 рр
Resolution	0.001 ppm	0.1 ppm (0-500 ppm)	Not listed		0.01 ppm	0.1 ppm
Resolution	0.001 ppiii	0.1 ppiii (0-300 ppiii)	Not listed		0.01 ppiii	± 2.0% of reading, ± 1
						0.
						least significant digit.
_						(Limited to accuracy of
Accuracy	±5% of measured value	±0.3%	±5%	<1% of value or 0.3 ppbv	±2.0% of reading, ± 1 LSD	calibration standard)
Lower Detection Limit	0.04 ppm (40 ppb)	Not listed	.01 ppm (10 ppb)	0.3 ppb	0.19 ppm	1.9 ppm
	Sunlight visible transflective					
Display	graphic LCD	graphic with backlight		Blue backlight LCD	LCD	LCD
		-10-50°C (5-99%				
	0-45 °C (0-90% humidity,	humidity, non-		10-28°C (0-95% humidity, non-		
Operating Environment	non-condensing)	condensing)		condensing)		
				None: Power Input 90-264 VAC, 47-63	"C" size alkaline batteries;	"C" size alkaline batteries;
Battery Capacity	4 hours, rechargeable Li-Ion	rechargeable Li-lon	rechargeable	Hz	4 weeks	4 weeks
Weight	2.43 kg	10 kg			2 kg	2 kg
Dimensions	183.5 x 111 x 120 mm	431 x 132 x 723 mm		500 x 500 x 140 mm	178 x 102 x 225 mm	178 x 102 x 225 mm
Warm-up Time	<5 min			30 min		
•						
	1	1	ĺ		1/4" phone jack for	1/4" phone jack for
ı						
	SD card LISB digital and					
	SD card, USB, digital and	internal database			Analog recorder output	Analog recorder output
Data Callantina	analogue output from	internal database	LICE	USB and BS222	Analog recorder output connection. Typically 0-	Analog recorder output connection. Typically 0-
Data Collection	analogue output from terminal block	internal database memory	USB	USB and RS232	Analog recorder output	Analog recorder output
Data Collection Optional Additional Sensors	analogue output from		USB CO2 percent, O2	USB and RS232	Analog recorder output connection. Typically 0-	Analog recorder output connection. Typically 0-

Price	\$8.500	\$55k	\$2,600