

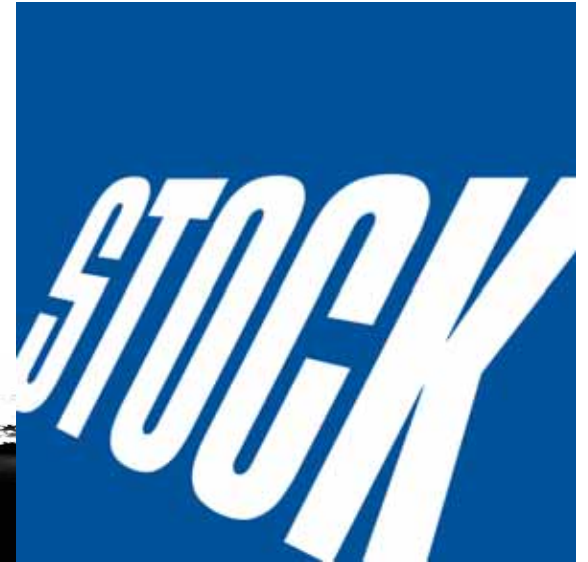
Reinhold Environmental Ltd.



2006 APC Round Table & Expo Presentation

July 16-18, 2006, Columbus, OH

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Environmental Systems

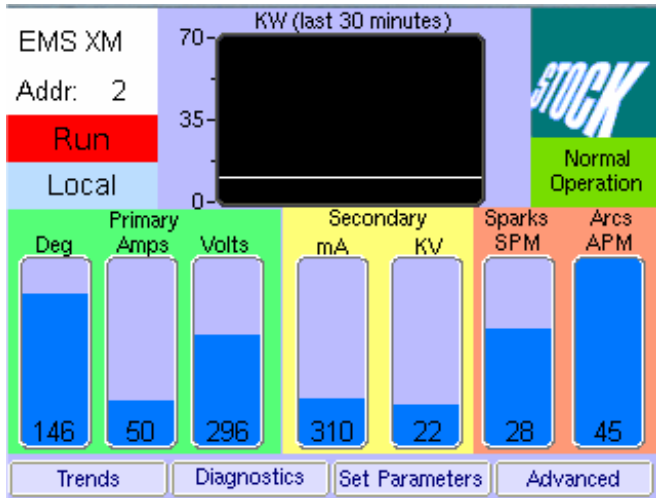
Next Generation
Automatic Voltage
Control

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AVC X•M - Key Features

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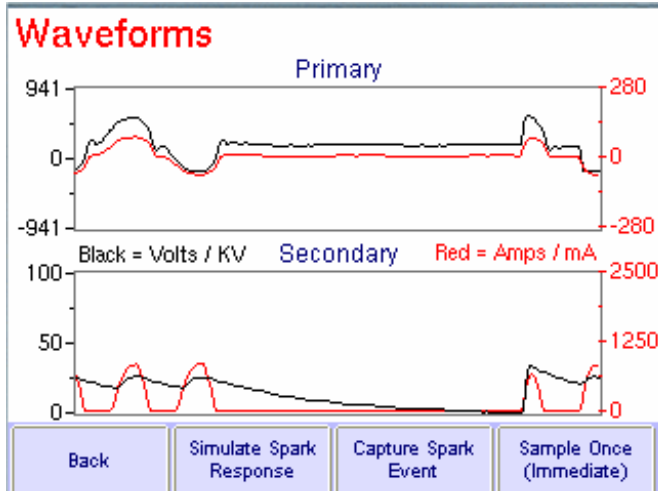


- Focus on the customer, ease of use is key
- Color Graphics Terminal
- 100% interoperable with the AVC 9000 and Forry EMS system
- Improved reliability through multilayered transient protection
- Faster, more reliable, communications



AVC X•M – User Benefits

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In use Limits Vs. T/R Rating

Parameter	Actual	Limit Now	T/R Rating
Running Program	10	N/A	N/A
SPM	28	30	N/A
Firing Angle	133	180	180
Primary Volts	293	480	480
Primary Amps	48	200	200
Secondary Volts	23	80	95
Secondary mA	310	500	1200
KW	11	60	60

Buttons: Back, Compare Limits to T/R Rating, Show Waveforms, MORE ▶

- Much Faster & Simpler Troubleshooting
- Much Greater Reliability
- More Power
- Supportable for Many Years to Come



Technical Highlights

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- DSP Based Signal Processing
- 60 times the processing power of the AVC 9000 (dual processors)
- Signal sampling 16 times faster than the AVC 9000
- 3 Layers of transient protection
- Ultra-stable, highly noise tolerant, zero crossing detection
- Full Color Graphical Terminal, rated for 1 meter drop to Concrete
- Fully isolated EMS Communications



Migration Information

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- AVC X•M has “AVC 9000” mode, allowing the user to mix and match controls as desired
- Forry Displays newer than 1992 can be reused with the AVC Max, new terminal is required
- Footprint and harnessing are identical to the AVC 9000
- DCU connectivity requires firmware upgrade only