

# EVA-625 Product Update Notes:

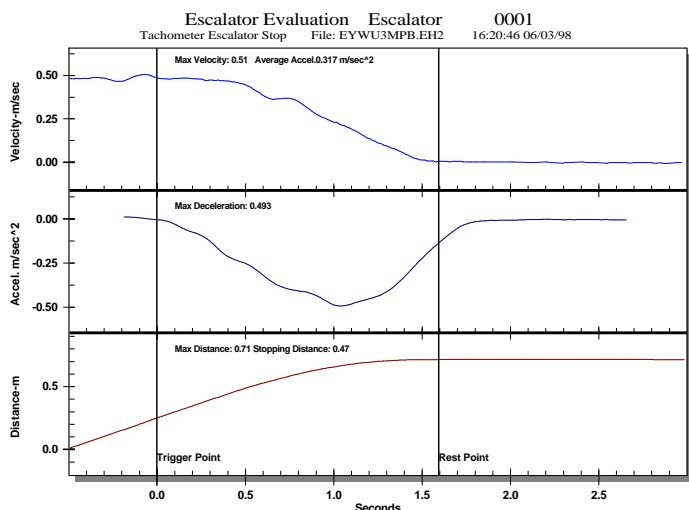
## ETCH01 Tachometer Module for EVA-625

PMT has committed itself to the continuous enhancement and refinement of the EVA system. As part of that commitment, PMT has released the ETCH01 Tachometer Module as a powerful and low cost extension to the EVA-625 Elevator & Escalator Vibration and Sound Analysis system. This allows the EVA system to accurately measure and record, or display in real time, direct drive speed measurements for escalator handrails & steps, or elevator doors (any moving system can be recorded). Although the EVA Vibration Analysis Tools software calculates velocity and distance in elevator systems without the need of a tachometer, there are times when constantly moving systems such as escalators must be measured for speed at high precision. When the tachometer module is connected, the EVA-625 quickly becomes a potent & easy to use recording tachometer system. A few of the typical applications include:

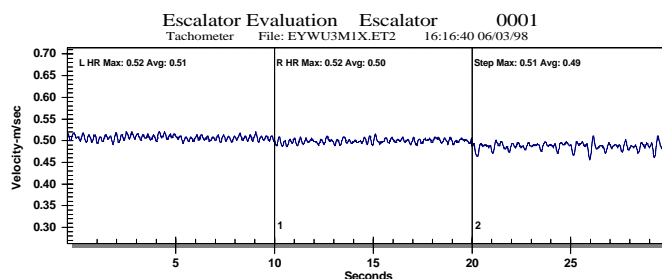
- Escalator Step/Handrail Speed Documentation
- Escalator Braking Measurement & Analysis
- Elevator Door Motion Recording
- Elevator Sheave Speed



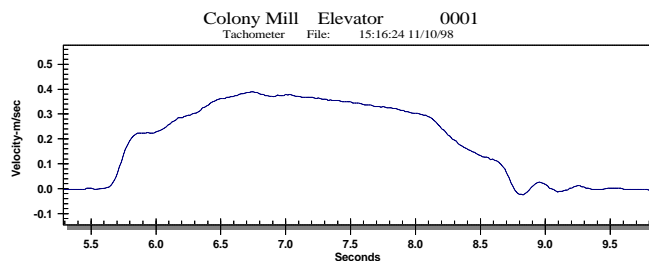
A few measurement examples:



Recording & Analysis of Escalator Braking, top is the speed history, middle is deceleration, bottom is distance



Recording & Analysis of Escalator Left Handrail, Right Handrail, and Step



Elevator Door Speed Measurement



Physical Measurement Technologies, Inc.  
Box 400  
4 Ling Street  
Marlborough, NH 03455 USA  
Voice: 603.876.9990 Fax: 603.876.9995  
Website: www.pmtvib.com

Range: +/-10.15 m/s, +/-2000 FPM  
Resolution: 0.0025 m/s, .126 FPM  
Typical Accuracy: 2% Over Range (I/O)