

**OSHA Uses Our Safetimeter...  
 Shouldn't You?**

Our newly designed Semelex II Safetimeter Test Set is field proven to accurately measure press stop time and safety distance to verify compliance with federal and state requirements. Designed for harsh industrial environments, the unit is portable, light weight, easy to use and incorporates new and improved features.

- **Ruggedized Auto-Hand**  
 Built for pressrooms, it will release a run button or push an E-Stop button to initiate press stop when signaled by the position/velocity transducer.
- **Redesigned Auto-Flag**  
 Connects to the Auto-Hand and is positioned outside the sensing field of personnel safety devices. It initiates press stop by interrupting the sensing zone at a preset point in the stroke to check stop time.
- **Heavy-Duty Position/Velocity Transducer**  
 Industrial grade magnets for secure mounting to base and upper bolster. It provides accurate direction, position and velocity signals to the meter for testing press strokes up to 49".
- **Quick-Charge Battery**  
 The unit's built-in battery can be fully recharged in eight hours, or can run off AC power. You can not over-charge the battery, and a charge indicator signals you when the battery is low.
- **Two Safetimers in One**  
 The same unit can be used to check full or part revolution clutch presses.

**A complete Series 1999 Semelex II Safetimeter Test Set includes: Meter, Position / Velocity Transducer with Cable Extension Set, Auto-Hand with Auto-Flag, Legs, Plunger Extension and Operations Manual**

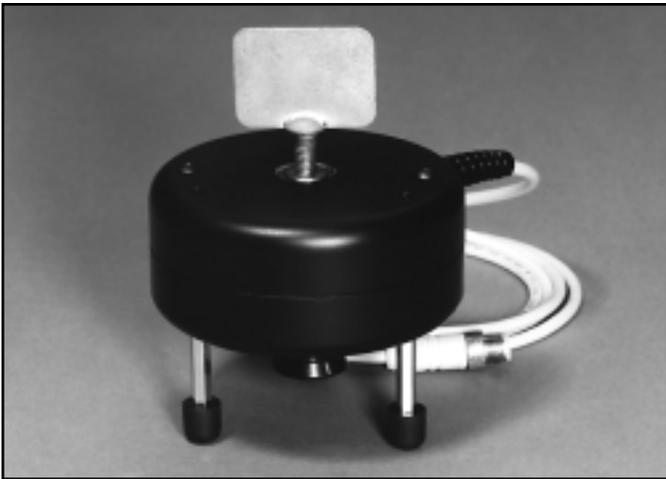


Reference Specifications	
<b>Stop Time (Ts)</b>	9.999 seconds, max
<b>Safety Distance (Ds)</b>	999.9 inches, max
<b>Press Stroke</b>	49 inches, max
<b>Operating</b>	Between Charges 3-5 days typical on/off
	Charge Time 8 hours
<b>Accuracy</b>	+ / - 1% of reading
<b>Power Supply</b>	115VAC 50 / 60 Hz supply /charger 6VDC rechargeable battery
<b>Options</b>	Manual Start Pushbuttons
	Remote tachometer with magnetic base accurately measures rotary stop times
Applications Include: Indexing tables, fillers, conveyors and blow molding wheel machines	
Specifications may change without notice.	

## The Semelex II Safetimeter Checks Stop Time, Safety Distance and More...

**Stop Time (Ts)** is the time interval from the initiation of the stop signal to the complete stop of the press. Stop time can change as a result of wear, speed, machine use, solenoid valve response, die weight and other factors. State and Federal guidelines require periodic checking of stop time.

**Safety Distance (Ds)** is the distance between the location of two-hand control or personnel safety devices and the pinch point closest to the operator. OSHA regulation 1910.217 (c)(3)(iii)(e) expresses Safety Distance using the following formula:  $Ds = Ts \times 63 \text{ inches/sec}$ . When selected, the Semelex II Safetimeter will display the minimum safety distance per the OSHA formula.



*Ruggedized Auto-Hand with New Auto Flag, Plunger Extension and Legs*



*Heavy-Duty Position/Velocity Transducer*

**Counterbalance** can be easily checked by measuring the down- and up-stroke stop time. When these two times are the same, counter-balance is properly set.

**Personnel Safety Devices** like light curtains or safety mats can be tested using the Auto-Hand and Auto-Flag to verify reaction time per the OSHA formula. The overall response time of the safety device, press control E-Stop circuit and the clutch brake mechanism are checked when the Auto-Hand or Auto-Flag accessories are used.

**Optional Remote Tachometer Set** consists of a tachometer on a magnetic base, two drive wheels and one drive cone. This sensor assembly is used to monitor the stopping time of conveyors or robots that cannot be monitored by the standard position / velocity sensor.

**Optional Manual Start Switch** is used to simultaneously initiate an E-Stop condition and the stop time calculation in the Safetimeter. The switch can be placed upon a safety mat used for machine guarding. Stepping on the switch synchronizes the stop time calculation with the safety mats E-Stop output signal.



*Semelex II Safetimeter Optional Equipment*

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