

## SD-201 Digital Shot Duration Timer

Technical Data	
<b>Model Number</b>	SD-201
<b>Part Number</b>	N500411001
<b>Display Range</b>	0 to 999.00 milliseconds
<b>Display Type</b>	6 Digit LCD 0.35 inch high
<b>Accuracy</b>	+/- 0.2% at 10 to 70 degrees Centigrade
<b>Signal Requirements</b>	0.005 to 30 Volts AC/DC
<b>Power Requirements</b>	Rechargeable Battery 9V.
<b>Battery Usage Time</b>	24 Hours Between Charges
<b>Battery Recharge Time</b>	8 Hours ( <i>approx.</i> )
<b>Humidity Range:</b>	0 to 100% ( <i>Non-condensing</i> )
<b>Dimensions:</b>	
- Readout Unit Only	3-1/2" Wide, 5-3/4" Long, 1-3/4" High
- Lead Length	30" Long
- SD-201 in Polymer Case	10-1/4" Wide, 7-1/2" Long, 3" High
<b>Weight</b>	800 g (1 lb., 15.2 oz.)
<b>Recommended Calibration Interval</b>	The SD-201 Digital Shot Duration Timer should be returned to the factory every six months for recalibration and routine inspection service. The recommended six month interval is based upon normal usage of intermittent readings. If the unit is used continuously, recalibration should be
Operating Instructions	
1. For wet horizontal MPI machines, clamp a shunt (1000A-25mv, 1000A-50mv) between the headstock and tailstock. If a shunt is not available, a 1" diameter by 18" long copper rod can be substituted.	
2. Attach the SD-201 test leads across the shunt terminals, or one lead to the headstock and the other lead to the tailstock if a copper conductor is used.	
3. Turn the SD-201 power switch to the "ON" position.	
4. Energize the MPI machine at maximum output in the contact mode.	
5. The current shot duration is displayed on the LCD. The reading is in milliseconds to three decimal points, accurate within 0.2%	