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## [Spark Timer Kit, Physics](#) [AC Spark Recording Timer](#) [0201110200](#)



[Spark Timer Kit](#) is designed for use to measure the speed of a [moving cart](#), investigate the forces of friction in dynamics, or determine the rate of acceleration in a falling body at a vertical position. The [spark generator](#) creates a series of sparks which burns tiny dots into the paper tape at a precise and same interval when the tape is pulled through the [Spark Timer](#). The faster the tape is pulled through [the timer](#), the larger the distance between the dots. This allows students to calculate the speed and acceleration of the object. The recording needle is immediately raised when [the timer](#) is turned off to allow easy insertion or removal of tape.



[Spark Timer Kit](#), Three-stage frequency 0201110200B is equipped with 20Hz, 60Hz and 100Hz settings that provide clear print, even for a relatively slow-moving dynamic cart.

[Spark timer kit](#) comes with 120' of recording paper tape, Pack of 10 carbon discs, a table clamp, and a 300g weight.

Note: Since this distance is usually very small; it is necessary to measure the distance moved in 10- tick interval and divide this by the time for covering the 10- tick interval.

### [Spark Timer Kit, Physics](#)

#### Main Technical Parameters

<a href="#">Spark Timer kit, Fixed frequency</a>	Specification
SKU	<a href="#">0201110200A</a>
Size	15 x 6 x 4cm
Power Supply	AC 220V
Period T	0.02s, 50 dots per second
Timing error	<1%
Output current	<300 $\mu$ A
The diameter of dot	$\leq$ 0.8mm
Dimensions	65mm x 150mm x 42mm
Pack Size	210mm x 210mm x 75mm
<a href="#">Spark Timer kit, Three-stage frequency</a>	Specification
SKU	<a href="#">0201110200B</a>
Size	15 x 6 x 4cm
Power Supply	220V
Period T	0.05s, 20 dots per second, 0.02s, 50 dots per second, 0.01s, 100 dots per second
Timing error	<1%
Output current	<300 $\mu$ A

The diameter of dot	≤0.8mm
Dimensions	60mm x 160mm x 55mm
Pack Size	220mm x 220mm x 75mm
<a href="#"><u>Replacement Recording Paper Tape / Tape Paper Roll</u></a>	
SKU	<a href="#"><u>0201110204</u></a>
Size	Roll of Diameter 78 mm, width 17.5 mm, total length 50m
Weights	50g
<a href="#"><u>Mass / Weight</u></a>	
SKU	<a href="#"><u>0201110203</u></a>
Size	Diameter 3cm, total length 6.8cm
Weights	300g
<a href="#"><u>Table Clamp / C-clamp</u></a>	
SKU	<a href="#"><u>0201110202</u></a>
Depth capacity	4cm
Length capacity	5cm
<a href="#"><u>Replacement Carbon Paper Disc</u></a>	
SKU	<a href="#"><u>0201110201</u></a>
Diameter	3.8cm
Nos	Pack of 10
Color	Dark black

\*Products and configuration list described herein are subject to changes without notice.

