# BeeSpi V – photogate/speed measurement light gate
GE1755-01

**Features:**

● Compact and easy to use.

● Simple and instant (direct) speed measurement without PC connection.

● Analysis of measured speed data became possible in a STEM way.

● Measured speed can be accurately read from its display which leads to easy calculation of the acceleration (when using x2 BeeSpi V together) or energy (of the measured object).

● Accumulated lap time function.

**Benefits to users:**

● To all users:  Possible to do experiments at anytime and anywhere due to portability of the product.

● To teachers:  Teachers can spend more time on lecture and demonstration instead of explanation of product usage to students.

● To students:  Higher efficiency in learning laws of motion through experiments because students no longer need to be familiarized first with use of any software.

● Deeper learning and understanding of relevant topics because students can calculate and make graphs by themselves based on the experiments results in STEM way unlike graph and calculation result automatically generated by datalogging software.

● More time can be spared for analysis of experiments results thanks to almost no time needed for preparation and measurement unlike when using traditional tapetimer or datalogger.

● Students can directly calculate themselves approximate equation close to theoretical equation using measured data from experiments (in line with STEM).

● Law of energy conservation can easily be demonstrated and confirmed because direct measurement of an object's velocity is possible (the formula of "$mgh=1/2\ mv2$" can be proven when measuring the velocity of a pendulum at the lowest point).

**Specifications:**

● Speed: 0 to 999.9cm/s, 0 to 99.9m/s, 0 to 99.99km/h

● Lap time: 0 to 99.99sec

● Accumulated Lap Time: 0 to 99.99sec

● Power Source: Two size AAA batteries (sold separately)

● Size: 60 x 60 x 50mm (Inner dimension: 40 x 30mm)

● Weight: 55g (excluding batteries)

● Extra functions: Memory function for saving up to 5 latest measured data

**Associated Products:**

I GAUGE

G GAUGE

COLLISION APPARATUS

BEESPI V HOLDER