



## VARIABLE DELAY UNIT TYPE 818

The Variable Delay Unit type 818 is designed to provide a precise distance delay between a desired measurement plane and a reference point.

This unit has the ability to trigger a range of devices. Equipped with impeccable software, the 818 delivers consistent accuracy in every aspect of its performance.

## CONSISTENT ACCURACY

### SPECIFICATION

HARDWARE	
Delay Time	50µs-65535µs in 1µs Increments
Inputs	4 inputs for optical detectors
Outputs	5V TTL rising/falling edge pulse can be supplied
POWER/COMMS	
Power	10-30V DC (3W)
Power Supply	818 305AS ( 100 – 240V AC )
ENVIRONMENT	
Operating Temperature	-10°C - +50°C [14 °F - 122 °F]
Humidity	The unit is sealed
DIMENSIONS	
L x W x H	260mm x 150mm x 100mm [10.2in x 5.9in x 4.0in]
Weight	4.6kg [10.1lbs]

### HARDWARE

- TTL Positive/Negative output pulse generated when the projectile is predicted to have reached the required measurement plane.
- Accurate projectile velocity measurement.
- Simple settings requirements are just distances.
- Computer stores all trial data.
- Accurate photographs can be taken even given variation of projectile velocity.

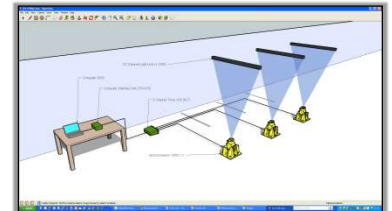
## USED WITH



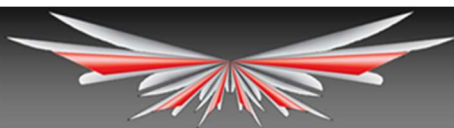
Optical Detector Type 858



High Speed Video Camera



Projectile Velocity Measurement System



## MS INSTRUMENTS Range Consultancy

Precision, Expertise, Quality

- Professional Bespoke Range Designs
- State-of-the-Art Product Rendering
- Only the Latest Standards



### MS Instruments Ltd.

Unit 4, Ravensquay Business Centre, Cray Avenue  
Orpington, Kent, BR5 4BQ, United Kingdom  
Tel: +44 (0)1689 883 020  
Fax: +44 (0)1689 871 392  
contact@msinstruments.co.uk  
www.msinstruments.co.uk

ISO 9001 SCS cert. No. 980010  
769-variabledelayunit – April “

The information in this document is correct at the stated time. MS Instruments Ltd has a policy of continuing development and reserves the right to make design changes/improvements to the products.