



*Custom Precision*



### VARIABLE DELAY UNIT TYPE 769

The Variable Delay Unit type 769 is designed to provide a precise distance delay between a desired measurement plane and a reference point.

This unit has a variety of configurations and outputs, as well as the ability to trigger a range of devices. Equipped with impeccable software, the 769 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               | TTL +ve rising edge pulse                          |
| POWER/COMMS           |  |
| Power                 | 10-30V DC (12W)                                    |
| Power Supply          | Computer Interface Unit Type 570-070               |
| ENVIRONMENT           |  |
| Operating Temperature | -10°C - +50°C<br>[14 °F - 122 °F]                  |
| Humidity              | The unit is sealed                                 |
| DIMENSIONS            |  |
| L x W x H             | 350mm x 140mm x 280mm<br>[13.8in x 5.5in x 11.0in] |
| Weight                | 4.6kg [10.1lbs]                                    |

#### HARDWARE

- **TTL positive output pulse** generated when the projectile is predicted to have reached the measurement plane.
- **Accurate projectile velocity calculations**
- **Transistor open-drain (contact-closure) output** can also be provided to trigger a variety of devices.
- **Simple programming requirements** are just distances and expected velocities.
- **Stored data** does not have to be re-entered.
- **Accurate photographs** can be taken even given variation of projectile velocity.

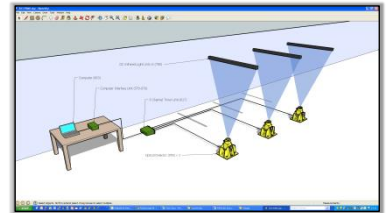
#### USED WITH



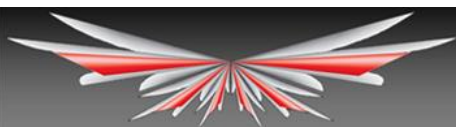
Optical Detector Type 858



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



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