

# Tracer Measurement System Type 497 - 0101

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## General

This equipment is used for the testing of tracer ammunition. Typically (as in the NATO acceptance test specifications AC/225) the ammunition is checked at three points along the trajectory. Tracer ignition should not occur before point 1, must have occurred by point 2 and must still be ignited at point 3. This system therefore consists of:

1 Muzzle flash detector type: 404 - 0201  
3 photo electronic detectors type: 497 - 1101  
1 computer unit type: 497 - 1201  
(built in chronometer)  
connecting cable set: 497 - 1301

## Photo electronic detectors:-

Powered by cable from computer unit

Splash proof enclosure  
Approx 100mm x 300mm  
Tripod mounted. (tripod included)  
wt 2.5 Kgs  
Optical system - detection  
window up to 2.5°

## Muzzle flash detector

Powered from computer unit.  
Splash proof housing 85 x 190 x 50mm  
wt 0.9 Kg

## Computer unit

220V AC. 25 watts  
19" rack mount system  
wt 10 Kgs

## TRACER BEHAVIOUR

### TIME OF FLIGHT

### STORAGE OF 10 TESTS (MORE OPTIONALLY)

### STATISTICAL CALCULATIONS BUILT IN

We reserve the right to amend these specifications without further notice.  
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**SABRE**  
**Ballistics**