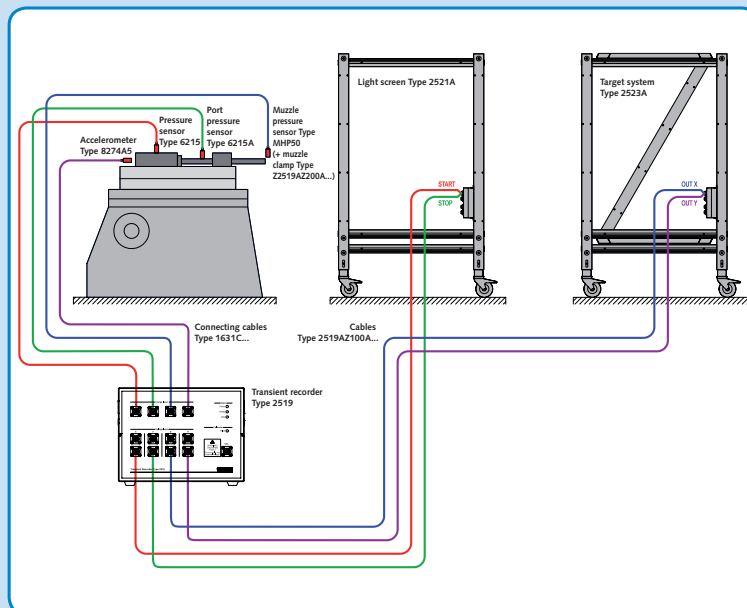


# Kistler System Solution for Ballistic Applications

## Internal Ballistics

According to NATO or CIP standard  
Piezoelectric pressure sensor Type 6215

- Chamber pressure
- Port pressure
- Muzzle pressure
- Accelerometer for firing detection



## Near External Ballistics

Light screen Type 2521A

- Velocity
- Rate of fire



## Integrated Signal Conditioning, Data Acquisition & Online Analysis System

Transient recorder Type 2519A...

- 8 channel

## Far External Ballistics

Target system Type 2523A

- Velocity
- XY coordinate



## High End Transient Recorder for Ballistic Applications Type 2519A... incl. Application Software

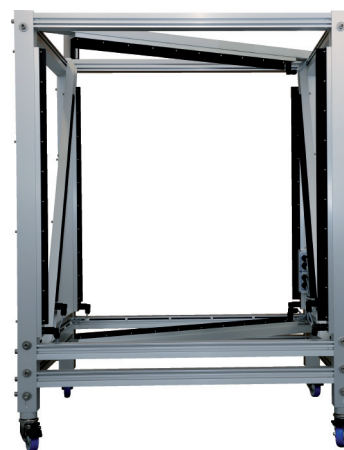
- Storage of raw data
- Postprocessing
- Application software with large number of computing methods for ballistics
- Data analysis according NATO and CIP standards
- Maintenance free
- Compact and mobile instrument
- Integrated calibrator
- Input channels:
  - 4 charge inputs
  - 4 voltage inputs
- Low-pass filters: Bessel 2<sup>nd</sup> order
- Linearity: <0,1 %FS
- Power supply: 12 V (24 V on request)
- Power consumption: 30 W at 12 V

## Light Screen Type 2521A

- Robust and stiff design
- Protection: IP66 (DIN EN 60529)
- Calibre range: min. 4 ... 30 mm  
frameless, >125 mm
- Velocity range: 50 ... 3 000 m/s
- Velocity inaccuracy: <0,2 %
- Reaction time: typ. 1  $\mu$ s
- Working temperature: -30 ... 45 °C

## Target System Type 2523A

- Robust and stiff design
- Protection: IP66 (DIN EN 60529)
- Calibre range: 4 ... 30 mm
- Velocity range: 50 ... 3 000 m/s
- Velocity inaccuracy: <0,2 %
- Reaction time: typ. 1  $\mu$ s
- XY coordinate inaccuracy: <5 mm or <0,5 % of XY range (greater value, 200 ... 1 500 m/s, project. base trig.)
- Working temperature: -30 ... 45 °C



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