

Highlights

- ▶ Completely wireless operation
- ▶ High measuring frequency and accuracy
- ▶ Automatic free-fall detection
- ▶ Comprehensive system software VISAM 2.0
- ▶ Optimised user interface
- ▶ Integrated HIC value calculation



General Information

Our dummy head for drop tests is completely wireless and has been designed to integrate with existing procedures and systems with minimum of disruption. The dummy head is used by leading testing agencies and companies in Europe to test vehicle glass for safety due to its high accuracy and reliability.

Whether you are testing automotive glass, helmets or other experiments, we can adapt our system to your requirements!

Technical data

Mechanical

Weight	see current DIN standard
Dimensions (W/L/H)	see current DIN standard
Operating temperature	-15 to +80

Measurement system

Range	-50g to 300g
Accuracy	0,1% standard deviation
Resolution	16 bit, max. 4 MHz sampling rate

Pollux radio system

Radio frequency	115/433/868/915 MHz depending on country of use, ISM bands: unlicensed
	Up to 1 Mbit/s data transmission rate (per node) Dynamic adaptation to radio environment Bidirectional, multi-channel, configuration-free and self-organizing radio network
	Network packets are CRC32 protected and data is encrypted using AES procedures, automatic avoidance of interference sources and other radio systems
Log memory	integrated memory: expandable up to 2 GB, with real-time clock. Freely adjustable time clock
Power supply	rechargeable battery (3,5 - 4,2V)
Power consumption	<100mA (Active), <60mA (Standby)

Developed in cooperation with the Materialprüfungsamt NRW (MPA)



VISAM 2.0

The VISAM 2.0 software is used to analyse, visualise and export the measured values generated by the dummy head.

The measured acceleration is filtered and the key indicators relevant to the test are calculated automatically. Multiple measurements can be displayed and easily compared. Test protocols can be printed directly with meta data or saved as a PDF. All tests are also automatically saved to prevent accidental deletion. Old tests can therefore be restored at any time based on date and time.

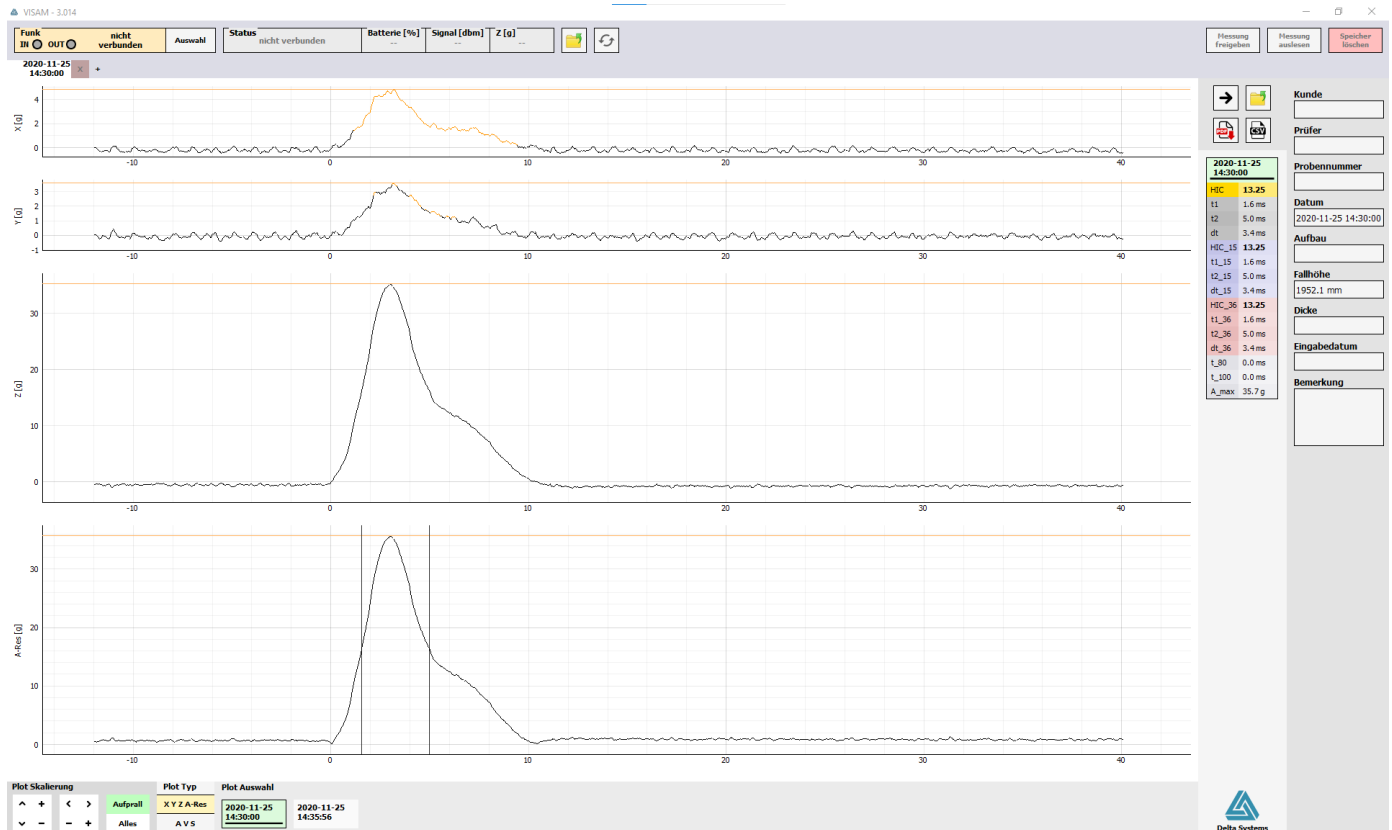


Illustration of the VISAM 2.0 software with acceleration data

Technical data

Functions

- Recording of measured values
- Filtering of measured values
- Calculation of HIC value
- Listing of Meta-Data
- Evaluation of multiple tests
- Export of reports in PDF/CSV
- Autosave-Function

System requirements

Windows 7/8/10, MacOS, Linux

