

Press Release

Not to release before May 7, 2024!

New software tool for pedestrian protection

Moenchengladbach, May 07, 2024

measX has launched evaluation software specifically for pedestrian protection. With X-Pedpro, measX bundles its expert knowledge for the evaluation of pedestrian protection tests in one tool for the entire test procedure. X-Pedpro can be seen live at SafetyWeek 2024 and Automotive Testing Expo Europe 2024.

The X-Pedpro software contains all relevant evaluations for pedestrian protection tests. It offers an integrated solution that provides comprehensive support for pedestrian protection work - from the calibration of test specimens to the evaluation of test data.

In its function as a calibration tool, X-Pedpro takes over the standard-compliant evaluation of the calibration measurements. The software supports all common impactors: Free Motion Headform, Adult Headform 4.8 kg, Adult Headform 4.5 kg, Child/Small Adult Headform 3.5 kg, Child Headform 2.5 kg, JASIC Headforms, Upper Legform, Flex-PLI and aPLI.

X-Pedpro contains an extensive library with the protocols of all relevant international regulations for evaluating the tests: AIS 100, FMVSS 201, FMVSS 202a, KMVSS 102, TRIAS 63, UN-R12, UN-R17, UN-R21, UN-R44 and UN-R127 as well as the NCAPs: ANCAP, Bharat NVSAP, C-NCAP, Euro NCAP and Latin NCAP. New standards and test regulations are constantly being added to the software.

X-Pedpro presents the summarized results analogous to the assessment system of the European New Car Assessment Programme (Euro NCAP) with Grid and the Pelvis and Leg areas. This also makes reporting easier.

"With X-Pedpro, this test area, which is valuable for Euro NCAP, for example, now has its own software tool for the first time. In the same quality that users are accustomed to from the standard X-Crash and X-Crash ATD software. X-Pedpro also incorporates three decades of experience with a broad international user base," says Klaas Ebel, Head of Vehicle Safety at measX.

measX will be presenting the X-Pedpro evaluation system for pedestrian protection at SafetyWeek in Hanau (May 14 - 16) and Automotive Testing Expo Europe in Stuttgart (June 4 - 6).

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"A software tool specifically for pedestrian protection is a useful addition to our evaluation systems for occupant protection and active safety to support the teams in pedestrian protection", explains Klaas Ebel.

In the tests to protect unprotected road users, head and leg impactors are shot at the front of the vehicle to determine the risk of injury in the event of a collision with the vehicle.

The aim is to identify measures on the vehicle that help to reduce the severity of the consequences of an accident in the event of a human-vehicle collision. This can be achieved, for example, by making design adjustments to the front of the vehicle.

Further information on X-Pedpro can be found at www.measx.com/x-pedpro.



Image 1 ((Test with aPLI legform impactor, measX_leg-test_srcEuroNCAP.jpg))

((Caption)) Pedestrian protection test with the latest leg impactor aPLI (Advanced Pedestrian Legform Impactor). Source: Euro NCAP



Image 2 ((Screengrab Results Report, X-Pedpro_ReportExample _ResultOverview.pdf(png)))

((Caption)) X-Pedpro provides a Euro-NCAP-compliant representation of the test result.

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About measX GmbH & Co. KG:

measX is a recognized specialist for test bench technology and test data management. For more than 40 years, the company has been developing, manufacturing, and selling customized test systems for research, development and production. Well-known companies from the automotive and mechanical engineering industries as well as the chemical and more sectors rely on measX's technological competence and expertise.

The focus in the test bench technology competence area is on automated measurement and testing systems, modernizations, in-house connection technology and specialized measuring devices in small series.

In the test data management competence area, measX realizes data management applications and evaluation systems that help customers to make comprehensive use of the test data obtained. The specially developed evaluation software X-Frame can be used universally and is open to customer-specific adaptations.

One special area is evaluation software for vehicle safety: the X-Crash, X-Zero, X-Crash ATD and X-Pedpro programs enable the evaluation of active and passive safety tests as well as the certification of dummies and impactors in accordance with internationally valid regulations. X-Crash for passive vehicle safety tests has been a binding Euro NCAP standard since 2011. The MOSES software specializes in vehicle dynamics tests.

At the company locations in Mönchengladbach and Aachen, more than 60 employees work for customers in Germany, Europe and beyond.

measX is a long-standing partner of NI (National Instruments, now Emerson) and an active member of committees such as the AMA Association for Sensors+Measurement, ASAM e.V., the Working group data Processing Vehicle Safety (MDVFS) and the ISO Committee Messtechnik. As a partner of universities and colleges, measX sees itself as a bridge builder between research and industry.

More information at: <https://www.measx.com>