Accurex
Dimensional Measurement Systems

ProCam
pre- and post-measurement
of crash vehicles

HARDWARE

Camera	ProCam probe with high resolution camera
Resolution	2.4 megapixels
Lens	High performance lens, f = 8.0 mm, minimal distortion
Data Transmission	Wireless IEEE 802.11 ac, channels 36-48 with channel width 80 MHz, WPA2/PSK
Flash	IR-LED ringflash
Controlling Computer	Notebook
Operating System	Microsoft® Windows® 7 or higher, 64bit
Accessories	Interchangeable probe tips, carbon fiber target panels
System Configuration	2x Li Ion battery, recharger, transportation box, access point, protection plug

SOFTWARE

Driver software	ProCam version 5 or higher
Control software	AICON 3D Studio with ProCam Crash
Automatic on the job calibration	Yes
Generation of templates for measuring plans	Yes
Transformation into vehicle coordinate system	Yes
Automatic referencing	No
Deformation analysis	Yes
Interface to external analysis software	Yes
Interface to external data bases	Yes

SYSTEM PARAMETERS

Length measuring accuracy	±0.1mm + 0.1mm/m of distance to reference
Operating time wireless	≥ 3 hours with one storage battery in continuous operation
Max. measurement frequency	5 Hz
Measuring volume	Depends on reference area
Operation temperature	+5˚C up to +45˚C
Dimensions/Weight	Length 250mm, diameter 100mm/1200g
Regulations	CE, RoHS

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MoveInspect DPS
used for sled and crash tests

HARDWARE

Camera	MoveInspect measuring head with 3 high resoution cameras
Resolution	5.0 megapixels
Lens	High performance lens, f = 8.0 mm, minimal distortion
Data Transmission	TCP/IP
Flash	IR-LED ringflash
Controlling Computer	Notebook
Operating System	Microsoft® Windows® 7 or higher, 64bit
Accessories	Active probe, calibration scale bar, interchangeable probe tips, dummy adapters, wheeled tripod

SOFTWARE

Driver software	MoveInspect HF|HR
Control software	AICON 3D Studio with DPS
Automatic on the job calibration	Yes
Generation of templates for measuring plans	Yes
Transformation into vehicle coordinate system	Yes
Automatic referencing	Yes
Deformation analysis	Yes
Interface to external analysis software	Yes
Interface to external data bases	Yes

SYSTEM PARAMETERS

Length measuring accuracy	±0.1mm + 0.15mm/m of distance to measuring head
Measuring volume	Up to 3m x 3m at max. 3.5m distance to measuring head
Max. measurement frequency	5 Hz

HUMANETICS®

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