



4 x H3 50th% Frontal Male Dummy

Location	Type	No. Of Channels	Channels
Head	Accel	3	Ax, Ay, Az
Upper Neck	Load Cell	6	Fx, Fy, Fz Mx, My, Mz
Chest Displacement	Displacement Transducer	1	Dx
Thorax Acceleration	Accel	2	Ax, Ay, Az
Pelvis	Accel	3	Ax, Ay, Az
Femur	Load Cell	2 (Left and Right)	Fz

2 x 3axis Lumbar Load Cell (Fx, Fz, My)
1 x 6axis Lumbar Load Cell (Fx, Fy, Fz, Mx, My, Mz)

2 x H3 5th% Frontal Female Dummy

Location	Type	No. Of Channels	Channels
Head	Accel	3	Ax, Ay, Az
Upper Neck	Load Cell	6	Fx, Fy, Fz Mx, My, Mz
Chest Displacement	Displacement Transducer	1	Dx
Thorax Acceleration	Accel	3	Ax, Ay, Az
Lumbar	Load Cell	3	Fy, Fz Mx
Pelvis	Accel	3	Ax, Ay, Az
Sacro Iliac	Load Cell	4	Fx, My (per side)
Femur	Load Cell	2 (Left and Right)	Fz



2 pairs x Instrumented Legs (Suitable for H3 50th% and H3 5th% Frontal Dummies)

Location	Type	No. Of Channels	Channels
Upper Tibia	Load Cell	4	Fx, Fz Mx, My
Lower Tibia	Load Cell	4	Fx, Fz Mx, My
Knee Displacement	Displacement Transducer	1	Dx
Inner Clavicle	Load Cell	1	Fx
Outer Clavicle	Load Cell	1	Fx

2 x H3 95th% Frontal Male Dummy

Location	Type	No. Of Channels	Channels
Head	Accel	3	Ax, Ay, Az
Upper Neck	Load Cell	6	Fx, Fy, Fz Mx, My, Mz
Chest Displacement	Displacement Transducer	1	Dx
Thorax Acceleration	Accel	3	Ax, Ay, Az
Pelvis	Accel	3	Ax, Ay, Az
Femur	Load Cell	2 (Left and Right)	Fz



1 x ES2 Dummy

Location	Type	No. Of Channels	Channels
Head	Accel	3	Ax, Ay, Az
Upper Neck	Load Cell	6	Fx, Fy, Fz Mx, My, Mz
Shoulder	Load Cell	3	Fx, Fy, Fz
Upper Spine (T1)	Accel	3	Ax, Ay, Az
Ribs (Top, Mid, Lower)	Accel Displacement Transducer	6	Ay Dy
Lower Spine (T12)	Accel	3	Ax, Ay, Az
Lower Spine (T12)	Load Cell	4	Fx, Fy Mx, My
Abdominal (Front, Mid, Rear)	Load Cell	3	Fy
Backplate	Load Cell	4	Fx, Fy My, Mz
Lumbar	Load Cell	3	Fy, Fz Mx
Pelvis	Accel	3	Ax, Ay, Az
Pubic	Load Cell	1	Fy
Femur	Load Cell	12 (Left and Right)	Fx, Fy, Fz Mx, My, Mz



1 x WorldSID 50th % Male Dummy

Location	Type	No. Of Channels	Channels
Head	Accel	3	Ax, Ay, Az
	Angular Rate Sensors	3	Rx, Ry, Rz
Upper Neck	Load Cell	6	Fx, Fy, Fz Mx, My, Mz
Lower Neck	Load Cell	6	Fx, Fy, Fz Mx, My, Mz
T1 Spine	Accel	3	Ax, Ay, Az
T4 Spine	Accel	3	Ax, Ay, Az
T12 Spine	Accel	3	Ax, Ay, Az
Thorax	Angular Rate Sensors	2	Rx, Rz
Shoulder	Load Cell	6 (Left and Right)	Fx, Fy, Fz
Shoulder	IR-TRACC Accel	4 (Left and Right) 1 (Left or Right)	Dy, Rz Ay
Thoracic Rib 1	IR-TRACC Accel	4 (Left and Right) 1 (Left or Right)	Dy, Rz Ay
Thoracic Rib 2	IR-TRACC Accel	4 (Left and Right) 1 (Left or Right)	Dy, Rz Ay
Thoracic Rib 3	IR-TRACC Accel	4 (Left and Right) 1 (Left or Right)	Dy, Rz Ay
Abdominal Rib 1	IR-TRACC Accel	4 (Left and Right) 1 (Left or Right)	Dy, Rz Ay
Abdominal Rib 2	IR-TRACC Accel	4 (Left and Right) 1 (Left or Right)	Dy, Rz Ay
Lumbar	Load Cell	6	Fx, Fy, Fz Mx, My, Mz
Sacro Iliac	Load Cell	12 (Left and Right)	Fx, Fy, Fz Mx, My, Mz
Pelvis	Accel	3	Ax, Ay, Az
Pelvis	Angular Rate Sensors	1	Rx
Pubic	Load Cell	1	Fy
Femoral Neck	Load Cell	6 (Left and Right)	Fx, Fy, Fz
Femur	Load Cell	12 (Left and Right)	Fx, Fy, Fz Mx, My, Mz



The WorldSID is fitted with Infra-Red Telescoping Rod for the Assessment of Chest Compression (IR-TRACC) to measure torso displacement.



1 x P1 ½ Child Dummy

Location	Type	No. Of Channels	Channels
Head	Accel	3	Ax, Ay, Az
Upper Neck	Load Cell	6	Fx, Fy, Fz Mx, My, Mz
Thorax	Accel	3	Ax, Ay, Az



1 x P3, P6 and P10 Child Dummy

Location	Type	No. Of Channels	Channels
Head	Accel	3	Ax, Ay, Az
Thorax	Accel	3	Ax, Ay, Az

1 x Q6 Child Dummy

Q dummies are developed to be used in both front and side impact testing, making it the first "multi-directional" (child) dummy.

The Q6 is fitted with Infra-Red Telescoping Rod for the Assessment of Chest Compression (IR-TRACC) to measure torso displacement.



Frontal Impact Orientation

Location	Type	No. Of Channels	Channels
Head	Accel	3	Ax, Ay, Az
Upper Neck	Load Cell	6	Fx, Fy, Fz Mx, My, Mz
Thorax	Accel	3	Ax, Ay, Az
Torso	IR-TRACC	1	Dx

Side Impact Orientation

Location	Type	No. Of Channels	Channels
Head	Accel	3	Ax, Ay, Az
Upper Neck	Load Cell	6	Fx, Fy, Fz Mx, My, Mz
Thorax	Accel	3	Ax, Ay, Az
Torso	IR-TRACC	1	Dy



1 x Q10 Child Dummy

The Q10 is fitted with Infra-Red Telescoping Rod for the Assessment of Chest Compression (IR-TRACC) to measure torso displacement.

Our Q10 have recently been upgraded with the 2020 upgrade kit.

Frontal Impact Orientation

Location	Type	No. Of Channels	Channels
Head	Accel	3	Ax, Ay, Az
Upper Neck	Load Cell	6	Fx, Fy, Fz Mx, My, Mz
Thorax	Accel	3	Ax, Ay, Az
Upper Torso	IR-TRACC	2	Dx, Rz
Lower Torso	IR-TRACC	2	Dx, Rz
Lumbar	Load Cell	6	Fx, Fy, Fz Mx, My, Mz
Pelvis	Accel	3	Ax, Ay, Az

Side Impact Orientation

Location	Type	No. Of Channels	Channels
Head	Accel	3	Ax, Ay, Az
Upper Neck	Load Cell	6	Fx, Fy, Fz Mx, My, Mz
Shoulder	Load Cell	6 (Left and Right)	Fx, Fy, Fz
Thorax	Accel	3	Ax, Ay, Az
Upper Torso	IR-TRACC	2	Dy, Rz
Lower Torso	IR-TRACC	2	Dy, Rz
Lumbar	Load Cell	6	Fx, Fy, Fz Mx, My, Mz
Pelvis	Accel	3	Ax, Ay, Az
Pubic	Load Cell	1	Fy