



WorldSID 50th

Simplified Option Packages

DTI, DTI/ADM

Instrumentation options for the integrated WorldSID 50th. Packaged for convenience, usability and simplification.

A tier of standardized option menus have been created for the WorldSID 50th as part of the ATD complexity reduction initiative in an effort to simplify the purchasing process for integrated ATDs.

These package options offer sets of predetermined channel counts of load cells, accelerometers, and angular rate sensors conveniently bundled together for optimal usability. Moreover, the standard delivery time will be greatly reduced as a result of streamlining the ATD production and assembly processes.

Historically, most integrated ATDs are coupled with a choice of on-board data acquisition systems with

customer specific instrumentation, and they have typically been engineer-to-order items that require unique build designs for each dummy. To minimize the sometimes unnecessary customization, customers now have the option to purchase the standardized packages with preset instrumentation. This allows a simplified ordering and build process that will not only meet the customer's data collection needs, but also come with a much quicker delivery time and savings in cost.



WorldSID 50M - Simplified Instrumentation Package Options

| CHANNEL | QTY | INSTRUMENTATION/LOCATION | ENCAP+ | | | ENCAP+ | | | Max. |
|---------------------------------------------------------|-----|-------------------------------------------------|--------------------|--------------------|---------------------|---------------------|----------------------|----------------------|----------------------|
| | | | 58CH (one-side) | 85CH (one-side) | 109CH (one-side) | 88CH (both-side) | 121CH (both-side) | 139CH (both-side) | 143CH (both-side) |
| LOAD CELL/IR-TRACC | | | | | | | | | |
| 2 | 5 | IR-TRACC, 2D Rib (Left) | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| 2 | 1 | IR-TRACC, 2D Shoulder (Left) | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| 2 | 5 | IR-TRACC, 2D Rib (Right) | | | | ☑ | ☑ | ☑ | ☑ |
| 2 | 1 | IR-TRACC, 2D Shoulder (Right) | | | | ☑ | ☑ | ☑ | ☑ |
| 6 | 1 | Upper Neck Load Cell | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| 6 | 1 | Lower Neck Load Cell | | | ☑ | | | ☑ | ☑ |
| 3 | 1 | Shoulder Load Cell (Left) | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| 3 | 1 | Shoulder Load Cell (Right) | ☑ | | ☑ | ☑ | ☑ | ☑ | ☑ |
| 6 | 1 | Lumbar Spine Load Cell | | ☑ | ☑ | | ☑ | ☑ | ☑ |
| 1 | 1 | Pubic Load Cell | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| 12 | 1 | Sacro-iliac Load Cell | | ☑ | ☑ | | ☑ | ☑ | ☑ |
| 3 | 1 | Femoral Neck Load Cell (Left) | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| 3 | 1 | Femoral Neck Load Cell (Right) | ☑ | | ☑ | ☑ | ☑ | ☑ | ☑ |
| 6 | 1 | Leg Load Cell (Left) | | | ☑ | | | ☑ | ☑ |
| 6 | 1 | Leg Load Cell (Right) | | | ☑ | | | ☑ | ☑ |
| 2 | 2 | Knee Contact Load Cell (Left) I/O | | | | | | | ☑ |
| 2 | 2 | Knee Contact Load Cell (Right) I/O | | | | | | | ☑ |
| Accelerometers 7264C-TZ Uniaxial/ 7268C Triaxial | | | | | | | | | |
| 3 | 1 | Head (Triaxial) | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| 3 | 1 | T1 (Triaxial) | | ☑ | ☑ | | ☑ | ☑ | ☑ |
| 3 | 1 | T4 (Triaxial) | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| 3 | 1 | T12 (Triaxial) | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| 3 | 1 | Pelvis (Triaxial) | | ☑ | ☑ | | ☑ | ☑ | ☑ |
| 3 | 1 | Shoulder (Triaxial, left) | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| 3 | 1 | Shoulder (Triaxial, right) | | | | ☑ | ☑ | ☑ | ☑ |
| 3 | 5 | Ribs, Thorax 1, 2, 3, Ab 1, 2 (Triaxial, left) | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |
| 3 | 5 | Ribs, Thorax 1, 2, 3, Ab 1, 2 (Triaxial, right) | | | | ☑ | ☑ | ☑ | ☑ |
| Angular Rate Sensor (ARS-8K, 2kHz) | | | | | | | | | |
| 1 | 3 | Head (Triaxial) | | ☑ | ☑ | | ☑ | ☑ | ☑ |
| 1 | 3 | Thorax (Triaxial) | | ☑ | ☑ | | ☑ | ☑ | ☑ |
| 1 | 3 | Pelvis (Triaxial) | | ☑ | ☑ | | ☑ | ☑ | ☑ |
| Tilt Sensors | | | | | | | | | |
| | 1 | Head | | ☑ | ☑ | | ☑ | ☑ | ☑ |
| | 1 | Thorax | | ☑ | ☑ | | ☑ | ☑ | ☑ |
| | 1 | Pelvis | | ☑ | ☑ | | ☑ | ☑ | ☑ |
| | 1 | Temp | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ | ☑ |