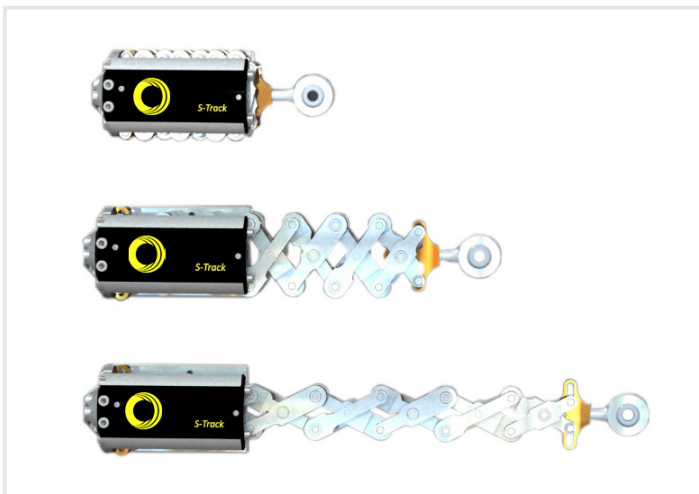


S-TRACK

The S-Track is a sensor solution for displacement measuring challenges. The design of the sensor is based on a very precise low-friction scissor mechanism. Transferring lifting motions into absolute linearly onto a potentiometer in a conversion ratio of 4,5 to 1.

Using the potentiometric measuring method, the sensor has a low power consumption and can be operated at a voltage of 0.1V. The S-Track is matching existing applications in size, weight and center of gravity, resulting in easy exchange without interfering with the physical features of the ATD.

By using a 3D-adapter, as an easy plug and play option for existing systems, an increased range of motion can be reached. The 3D-adapters are available for THOR thorax and abdomen and WorldSID thorax, abdomen and shoulder.



Key Features

- » High resolution, absolute measurement
- » Precise low-friction scissor mechanism
- » Potentiometric measuring method - low current
- » Plug and play: matches existing applications
- » Calibration using existing equipment
- » Optional DTI integration

Applications

- » THOR-50M
- » THOR-5F
- » WorldSID-50M
- » WorldSID-5F
- » Q-Dummy Family

S-TRACK

THOR THORAX

Pos.: 20_300 - S-Track - THOR-50M Thorax – 90 mm displacement sensor
Features Comparable to NHTSA Drawing No. SA572-S117 Rev. B.

Pos.: 20_302 - TH-3D-Bracket - Optional - THOR-50M Upper Thorax right
Fits to IR-TRACC and S-Track, Features Comparable to Part No. 472-3560 but without offset.

Pos.: 20_302b - TH-3D-Bracket - Standard - THOR-50M Upper Thorax right
Fits to IR-TRACC and S-Track, Features Comparable to Part No. 472-3560.

Pos.: 20_303 - TH-3D-Bracket - Optional - THOR-50M Upper Thorax left
Fits to IR-TRACC and S-Track, Features Comparable to Part No. 472-3550 but without offset.

Pos.: 20_303b - TH-3D-Bracket - Standard - THOR-50M Upper Thorax left
Fits to IR-TRACC and S-Track, Features Comparable to Part No. 472-3550.

Pos.: 20_304 - TH-3D-Bracket - Optional - THOR-50M Lower Thorax right
Fits to IR-TRACC and S-Track, Features Comparable to Part No. 472-3570 but without offset.

Pos.: 20_304b - TH-3D-Bracket - Standard - THOR-50M Lower Thorax right
Fits to IR-TRACC and S-Track, Features Comparable to Part No. 472-3570.

Pos.: 20_305 - TH-3D-Bracket - Optional - THOR-50M Lower Thorax left
Fits to IR-TRACC and S-Track, Features Comparable to Part No. 472-3580 but without offset.

Pos.: 20_305b - TH-3D-Bracket - Standard - THOR-50M Lower Thorax left
Fits to IR-TRACC and S-Track, Features Comparable to Part No. 472-3580.

THOR ABDOMEN

Pos.: 20_301 - S-Track - THOR-50M Abdomen – 123 mm displacement sensor
Features Comparable to NHTSA Drawing No. SA572-S121 Rev. A.

Pos.: 20_306 - TH-3D-Bracket - THOR-50M Abdomen right
Fits to IR-TRACC and S-Track, Features Comparable to Part No. 472-4740-2.

Pos.: 20_307 - TH-3D-Bracket - THOR-50M Abdomen left
Fits to IR-TRACC and S-Track, Features Comparable to Part No. 472-4740-1.

WORLDSID

Pos.: 20_200 - S-Track - WorldSID-50M - 90 mm displacement sensor
Features Comparable to IF-367, IF-368, IF-371.

Pos.: 20_201 - WS-2D-Bracket - WorldSID-50M Shoulder
Fits to IR-TRACC and S-Track, Features Comparable to IF-368.

Pos.: 20_202 - WS-2D-Bracket - WorldSID-50M Thorax + Abdomen
Fits to IR-TRACC and S-Track, Features Comparable to IF-367.

Pos.: 20_203 - WS-3D-Bracket - WorldSID-50M Shoulder - left
Fits to IR-TRACC and S-Track, Features Comparable to IF-368.

Pos.: 20_207 - WS-3D-Bracket - WorldSID-50M Shoulder - right
Fits to IR-TRACC and S-Track, Features Comparable to IF-368.

Pos.: 20_204 - WS-3D-Bracket - WorldSID-50M Thorax + Abdomen - left
Fits to IR-TRACC and S-Track, Features Comparable to IF-367.

Pos.: 20_208 - WS-3D-Bracket - WorldSID-50M Thorax + Abdomen - right
Fits to IR-TRACC and S-Track, Features Comparable to IF-367.

Pos.: 20_211 - Potentiometer for WorldSID-50M 2D/3D-Bracket
Alternative for Potentiometer PD 210-5K0.

Q-DUMMY

Pos.: 20_100 - S-Track - Q3 and Q6 - displacement sensor
Features Comparable to IF-362 Rev. B.

Pos.: 20_101 - S-Track - Q10 - 90 mm displacement sensor
Features Comparable to IF-372.

Pos.: 20_206 - QA-2D-Bracket. Suitable for IR-TRACC and S-Track
Features Comparable to drawing 3720-00.

Pos.: 20_210 - Potentiometer for QA 2D-Bracket
Alternative for Potentiometer PD 210-5K0.

SPARE PARTS

Pos.: 20_308 - Rotary Potentiometer for THOR-50M - Spare part, without cable
Features Comparable to NHTSA Drawing No. SA572-S114.

Pos.: 20_309 - Rotary Potentiometer for THOR-50th - Spare part, with 1 m sensor cable. Features Comparable to NHTSA Drawing No. SA572-S114.