



Precision checkweigher for high-rate can, jar and flat-bottom container lines

Thermo Scientific Versa Teorema Checkweigher



Thermo Scientific Versa Teorema Checkweigher Specifications

Product rate	Up to 700 cans per minute
Product type	Cans, jars, containers with flat bottom, without label, open or closed, wet or dry conditions
Line speed	2.7m/s 160m/min 530FPM
Weigh range	40g to 900g. Other product weights on request.
Can diameter	64 ~ 99mm (US208~314) standard. Other product sizes on request.
Can height	Minimum 35mm (US106) Maximum 180mm (US701)
Accuracy	Approved for OIML MID ($e \geq 0.5g$). Accuracy; standard deviation in general $< 0.5 g$, depending on application.
Overall dimensions	Length: depending on configuration (side to side or end to end transfer); approx. 3,500mm (137") Width: 1,100mm (43.3")
Helix	HDPE (UMHPE 1000). Helixes are dimensioned per can size. Length 900mm (35.4"). Stainless steel option available.
Line height	800~1,200mm $\pm 50mm$ (32~47" ± 2 "). Other heights on request.
Electrical supply	230Vac/1 phase/50 Hz or 220Vac/1 phase/60 Hz, 2kW
Air supply	600kPa (6bar / 80psi)
Protection material	IP66
Construction material	Stainless steel

The Thermo Scientific™ Versa Teorema Checkweigher offers unparalleled speed and accuracy due to a revolutionary weighing section design with no moving parts. By eliminating motorized conveyor parts, the Versa Teorema checkweigher delivers the lowest mechanical noise and the highest accuracy possible for high-speed canning applications.*

*Moving parts: helix and HD long-life transport chains only.

Features and Benefits

- Side-to-side conveyor transfer capability at the in-feed and out-feed
- Photo-eyes to provide controlled feed of cans via a can-stop
- Feed-screw properly spaces open or closed cans, steel or aluminum cans and 2- or 3-piece cans at speeds up to 700 cans/minute
- High-rate reject mechanism with special profile for product handling control
- Open design and stainless steel construction facilitate high-pressure cleaning
- Auto monitor of temperature and humidity to prevent heat and moisture concerns
- Durability for harsh environment can line operation
- No moving parts weigh section (no chains or belts) for high accuracy and low maintenance
- Highest levels of safety guarding and interlock
- Specified for the highest levels of washdown and humidity
- Equipped with Thermo Scientific™ Versa Checkweigher Controller



Quick change helix and full safety cover



High rate reject systems



Can stop device



Sanitary design

For more information thermofisher.com/teorema

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