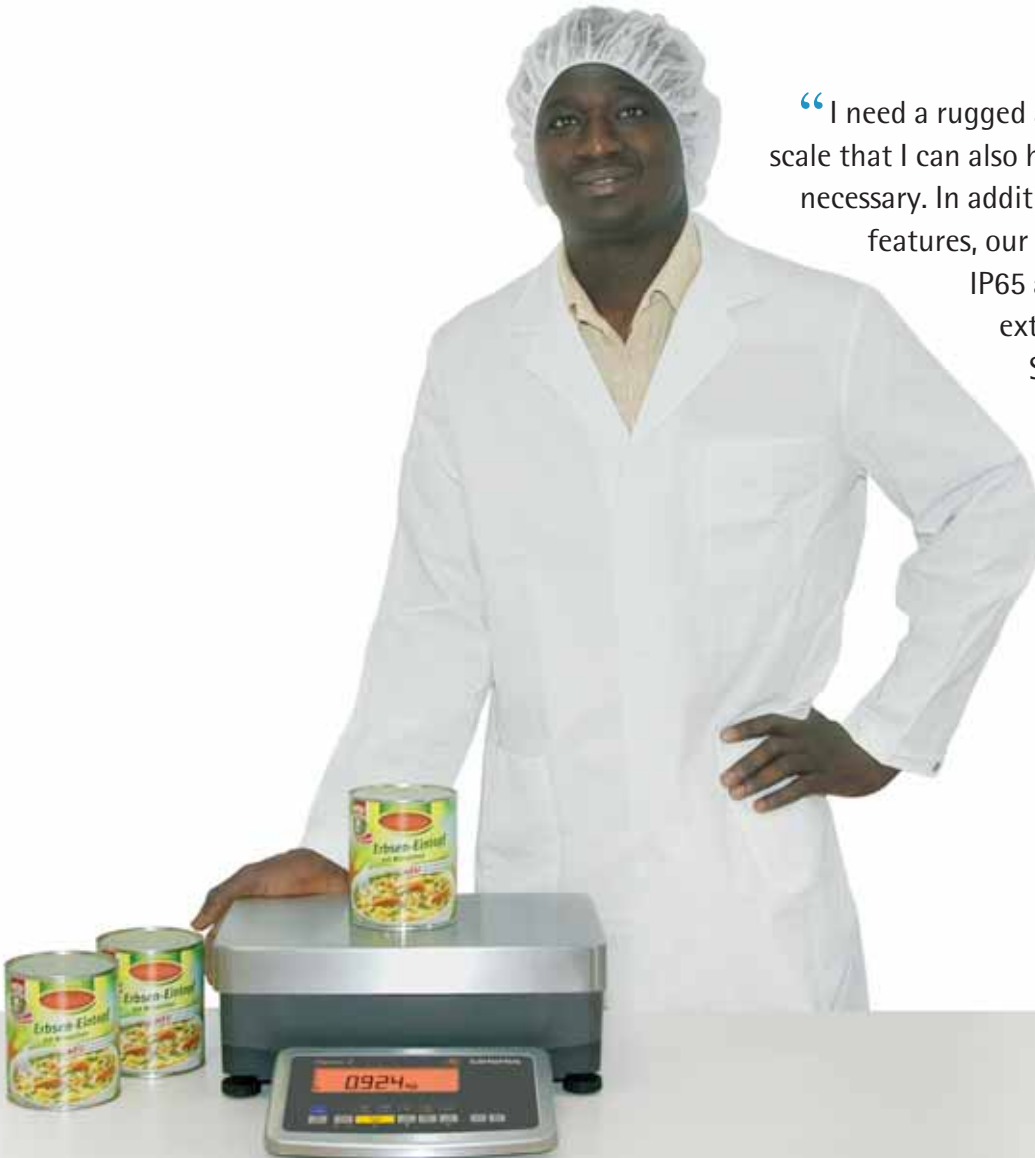sartorius

**No Compromises**
The New
Sartorius Signum Series

# Request
# the best –

## but pay for only what you need.

"I need a rugged and easy-to-operate scale that I can also hose down when necessary. In addition to all the basic features, our company opted for IP65 as the only other extra feature on our Signum."

: **Washdown–resistant and splashproof acc. to IP65**
: **Smart customization**
: **Custom-tailored application package**
: **Choice of various resolutions**
: **Speed–up technology**

Pick and choose the features you need on your Signum scale – just the way you want it. You have a choice of three application levels ranging from simple weighing to convenient counting with automatic reference sample weight updating and a product data memory as well as a complete selection of resolutions – also legal for trade and "factory-verified" for legal metrology. Speed-up technology makes the Signum uniquely fast, which means Signum can weigh in half a second.

# Look
# for the simple solution –
## but keep all your options open.

> "I wanted a compact scale with a
> small footprint, one that is uncomplicated,
> but that I can use for a different task every day
> without having to take it apart and
> re-assemble or adjust.
> Signum has all the interfaces that
> I wanted, and I can always
> position the display unit wherever
> I need it."

: **Variety of interfaces**
: **Flexible display mounting options**
: **Battery operation**
: **Additional port for a reference scale**
: **Space-saving design**

No two applications are the same. Just a few easy steps are all it takes to position the slim-line designed operator terminal next to the scale or on a wall-mounting bracket. The extra port enables you to connect an additional reference platform scale, for example, if you need to accurately count lightweight parts and would like to deliver an entire lot of packages of precounted parts on a pallet. Optional interfaces meet all requirements for advanced data transfer, e.g., via Ethernet, and for controlling the scale by a PLC.

# Do without
# the frills –

## but don't skimp on safety.

"I wanted a scale that has only what
I really need and that I can
operate in a hazardous area. Our company
decided on the Signum that has the
minimum level of applications,
but the highest package
of safety features."

: **Use in Zones 2 and 22
hazardous areas**
: **Built-in, motorized calibration
weight for GMP-certified
production**
: **Overload protection**
: **Side impact protection**

Particularly tough industrial environments call for unlimited safety
during operation of a scale. Signum is ideal for use in Zone 2 or 22
hazardous areas – it's ATEX-compliant to be sure. Moreover, Signum
is reliably protected against extreme overloading and side impact,
and dependably delivers repeatable weighing results even under
fluctuating ambient conditions.

# Do whatever
## you want –
## but don't make any compromises.

The new Signum from Sartorius is a compact industrial scale in which a choice of two powerful technologies is used: SIWR and SIWA models work with a strain-gauge type load cell; the high-resolution SIWS models feature monolithic weigh cells based on electromagnetic force compensation. The new Signum offers exceptional performance features and, despite its wide variety of functions, is a very easy-to-operate scale. The Signum is extremely rugged and resistant, and perfectly adapts to any ambient conditions in an industrial environment.

With Signum, anything is possible: pick and choose your level of applications and different resolutions, and enjoy the benefits of a wide variety of interfaces and options for IP65 protection, use in hazardous areas and for many more features.

The Signum is a compact scale built exactly the way you want it – without compromises.

# The new Sartorius Signum series.
# Do whatever you want –
## but don't make any compromises.

## Three application levels

**Level 1**
: Weighing
: Six keys

**Level 2**
**Like Level 1 and additionally with**
: Port for reference scale
: Counting
: Totalization
: Checkweighing
: Classification

**Level 3**
**Like Levels 1 and 2 and additionally with**
: Product data memory
: Identifiers (4 × 40 characters)
: Filling and counting to a target weight

## Three model groups

The spectrum of Signum scale models is based on three technologies that offer different levels of performance:

**Signum Regular SIWR**
: Standard load cell
: Resolutions up to 35,000 d
: Model-dependent "factory-verified" options up to Class III:
  2 × 3,000/3,500 e (dual-range); 1 × 6,000/7,500 e;
  and 1 × 3,000 e (single-range)
: The dual-range scales can be selected either with a set fine range or one that is continuous over the entire capacity range

**Signum Advanced SIWA**
: Mechatronic weigh cell
: Resolutions up to 65,000 d

**Signum Supreme SIWS**
: Monolithic weigh cell
: Resolutions up to 350,000 d
: Model-dependent "factory-verified" options up to Class II:
  30,000 e (e=d); 1 × 6,000 e; 35,000 e (single- and dual-range);
  16,000 e (single- and dual-range), each with built-in motorized calibration weight
: The dual-range scales can be selected either with a set fine range or one that is continuous over the entire capacity range

Signum Regular │ Advanced │ Supreme can be ordered with application levels 1, 2 or 3.

You will find all models and technical specifications as well as options and further accessories in our data sheets for SIWR, SIWA and SIWS (also available as downloads at www.sartorius.com/signum).

## Options and accessories

: IP65 protection (basic version IP44) for all models
: Built-in motorized calibration weight (for SIWS models)
: Port for connecting a reference scale
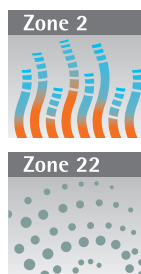: Hanger for under-scale weighing

**Optionally selectable interfaces**
: COM 1 – RS-232C plus (with PS/2 port and time/date)
: COM 2 – RS-232C
: COM 2 – RS-485
: COM 2 – RS-422
: COM 2 – Ethernet
: COM 2 – Profibus DP
: COM 2 – 5 digital inputs │ 5 digital outputs
: COM 2 – Analog 4-20 mA
: External USB interface cable
: *Bluetooth*® wireless technology scale adapter with external antenna

**Mechanical accessories**
: Display column
: Wall-mounting bracket, stainless steel (also tiltable)
: In-use dust cover for keypad

**Power supply**
: 100…240 V AC (internal, standard)
: 24 V DC (optional)
: Internal rechargeable battery (12 V) (optional)

**Zone 2**
**Zone 22**

If you order Option Y2, the Signum series can be used in ⟨Ex⟩ Zones 2 and 22 (gas│dust).

ATEX-compliant:

## II 3 GD EEx NA nCnL IIC T4 T80°C IP 6x