



The **i 20** indicator benefits from PRECIA MOLEN's experience, expertise and research in designing an accurate, basic and ergonomic product for industrial use.

The i20 has the following distinctive features:

- ▼ Design and styling for industrial use (robustness, high IP rating and easy to clean).
- ▼ Ease of use.
- ▼ For connection to one or more load cells. Available in tabletop, wall, column or panel mounting versions.
- ▼ High quality construction in Grade 304L stainless steel.
- ▼ Latest technology including FSC (Field Sequential Colour) - LCD (Liquid Crystal Display) and non-polluting high capacity batter LiFePO4.

Functions

- Single weighing
- Parts counting
- Tolerance check +/-
- Formulation
- Calculation

Setting

The indicator's metrological and functional settings can be made:

- Via the indicator's front panel;
- With a PC and a simple Internet browser.

Parameter backup/restore via optional iSD card or PC.

Certification

- Metrology: Test certificate issued by a notified body in accordance with Directive 2009/23/CE for Non-Automatic Weighing Instruments.
- Electromagnetic Compatibility: Complies with the requirements of Directive 2004/108/CE.
- Low Voltage: Complies with the requirements of Directive 2006/95/CE.

Housing

- Protection rating IP 66
- 304L stamped stainless steel construction.
- Includes a universal bracket for tabletop, wall or column installation.

Display



- √ Weighing
- √ Calculation menu



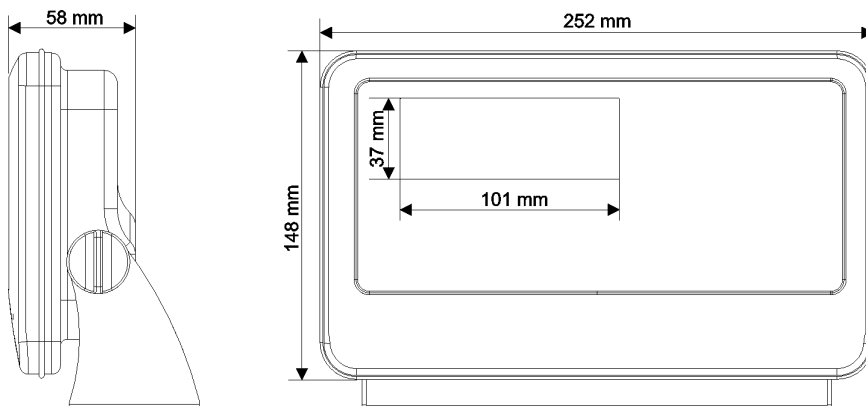
- √ Parts counting
- √ Tolerance check +/-

- New colour FSC-LCD technology.
- Weight display: 7 x 25mm high characters.
- Additional Information: 10 x 8mm high characters.
- Secondary units: 3 characters

Keyboard

- Touch control keys.

Technical characteristics



Power supply

Two modes of external power supply jumper selectable:

- AC 90/230 V
50/60 Hz
- DC 9/30 V

Maximum power consumption 14 W

▼ Internal battery power (option)

Operational duration evaluated with a single load cell weighing infrastructure:

- No backlighting 48 h
- Minimum backlighting 30 h
- Average backlighting 22 h
- Maximum backlighting 16 h

Charging time

- From 0 to 100 % 8 h
- From 80 to 100 % 4 h

Environment

▼ Temperature range

- Operating - 15 °C / + 60° C*
- Storage - 20 °C / + 65 °C

* - 10 °C / + 40 °C in trade use.

Metrology

	ML	HML
• Class.....	III	-
• Division (µV).....	0.5	-
• Single range.....	6000	30000
• Dual range.....	2 x 6000	-

▼ Load cells

• Power supply.....	5 V
• R _{Min}	43 Ω
• R _{Max}	1245 Ω

Communication

▼ RS 232 link




- Printer
- Reference scale for parts counting
- Remote weight display

Accessories supplied

- AC power cord (3m long)

- Universal bracket
- Dust cover

Options

Battery	Data backup	Communication	Logical Inputs/Outputs	Installation kits
▼ Internal battery and plug-in power cable (3m long) 	▼ Storing on iSD card <ul style="list-style-type: none"> • DSD memory 300,000 records for trade use • Parameter and file storage 	▼ USB for PC connection ▼ 2nd RS 232 / RS 485 link ▼ Ethernet	▼ Input/output interface (with galvanic isolation) Input <ul style="list-style-type: none"> • 2 channels..8 to 30 V DC Output <ul style="list-style-type: none"> • 4 channels..48 V / 100 mA 	▼ On platform  ▼ Panel mounting <ul style="list-style-type: none"> • Cut out: 252 x 148 mm • Thickness: 10 mm max.

Your specialist

Non contractual illustrations. Precia-Molen reserves the right to alter the characteristics of the equipment described in this brochure at any time.

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i5 INDICATOR...

... TAKE CONTROL!

i 5

i 20

i 30

i 35

i 40



**TECHNIQUE WITHOUT COMPROMISE
FOR AN EXCEPTIONAL USER EXPERIENCE.**



In numerous industrial applications, there is no need for complex weighing functions.

**OUR LAST CREATION IN THE I RANGE
IS THE PERFECT SOLUTION:**

- ▼ fast familiarisation;
- ▼ highly readable results;
- ▼ efficient measurement;
- ▼ easy to implement modern communication means.

All this without any compromise on quality.

SECURITY

- ▼ Faster and more secure data entry regardless of use conditions.
- ▼ The touch screen does not require any pressure and fully operates in case of liquid drops or if the operator wears gloves.

FREEDOM

- ▼ Free of the need for an external power supply, you can organise your work station as you want.
- ▼ The fragile and hard to fit power pack has been removed. The lithium-ion battery available as an option ensures up to a week of use* and recharges within one night.

*Depending on use conditions.

PRODUCTIVITY

- ▼ Increase your productivity: some functions are performed without using the keyboard at all. For example, the automatic tare when placing the container or the holding of the timed display when removing the load.

MOBILITY

- ▼ Communicate wireless and send weigh results to the most modern peripherals with a Bluetooth connection that controls printers, PCs, smartphones and tablets at a distance of over 100m.

AVAILABILITY

- ▼ Forget installation limits. With an IP66 housing, a touch screen and a removable protection shell, the i5 indicator will satisfy your needs regardless of environment and cleaning conditions.

COMFORT

- ▼ Reduce reading mistakes and increase user comfort: the weight is shown on a highly readable and large-sized display.

DESIGNED AND MANUFACTURED IN THE E.U.



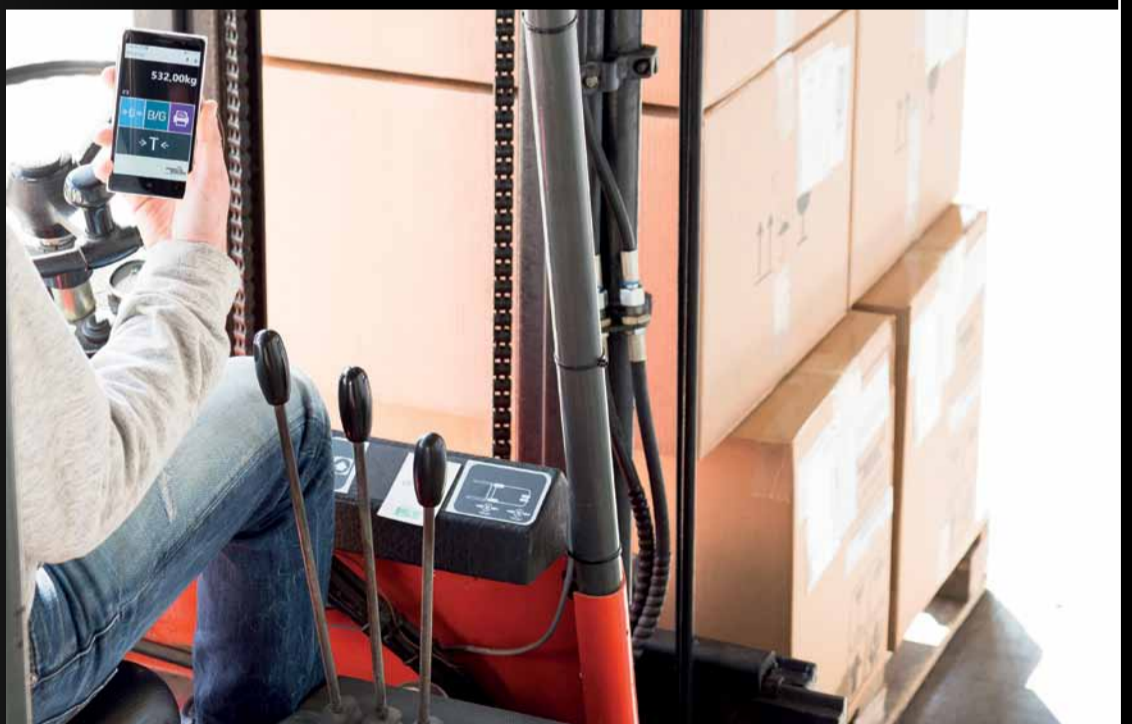
- ▼ Designed for harsh work environments, the i5 indicator will take you through your daily activities with reliability and accuracy. Pamper it: intensive cleaning suits it!



- ▼ Make the most of all its functions: weigh and count with a simplified functional mode for maximum operators' productivity.



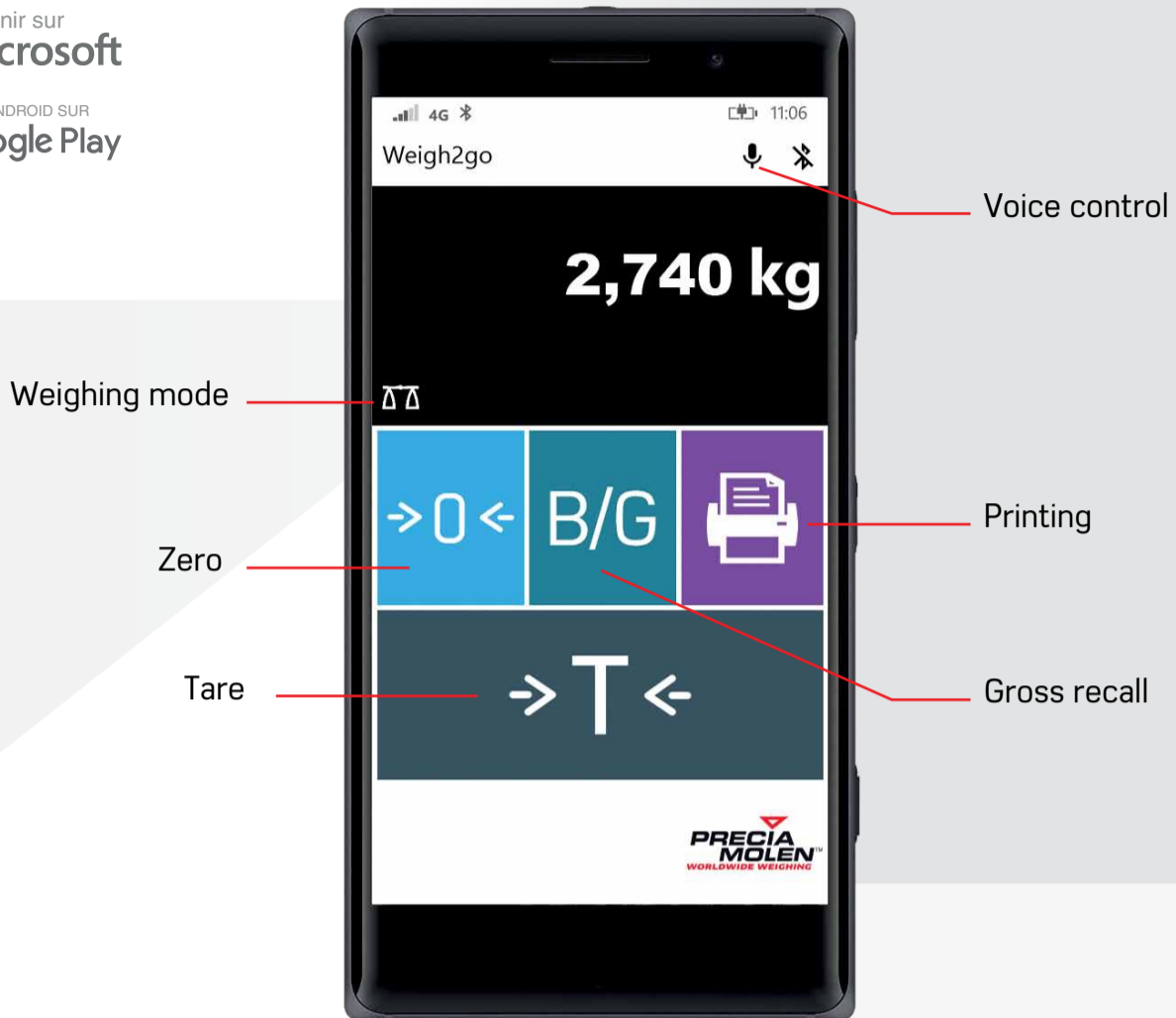
- ▼ Organise your dispatching from your work station: with the remote control of the indicator's basic functions, you can avoid useless and risky trips.



DISTANCE YOURSELF YET... KEEP IN TOUCH.

Obtenir sur
Microsoft

APPLI ANDROID SUR
Google Play



3 WEIGHING MODES



- ▼ Weigh2go increases operators' productivity and frees them from the need to be near the instrument to perform the various weighing operations required in manufacturing and checking processes.
- ▼ The remote access to common functions as tare and printing represents a major time gain – for example for loading equipment operators.
- ▼ Voice control gives the operator the possibility to focus on its main activity and to easily interact with the weighing station regardless of its work environment configuration.



● **OUR SUBSIDIARIES**

● **OVER 40 AGENTS THROUGHOUT THE WORLD**

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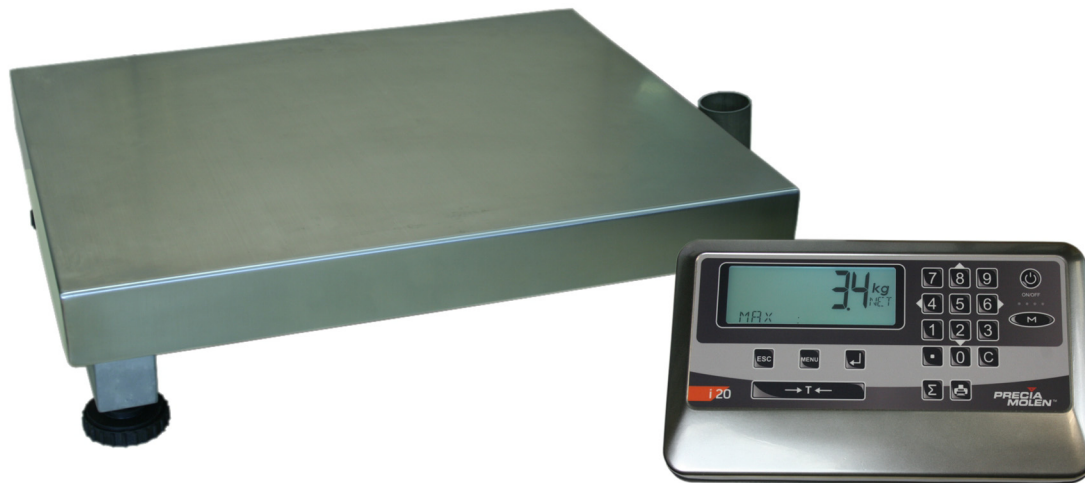
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Use scope

The C20 R1 A-S industrial scale range has been designed to perfectly adapt to your environment and use conditions. It offers the main weighing applications with simple ergonomics. Fully in stainless steel and IP 66 protected, it meets the most recent hygiene and cleaning requirements.

Its modular presentation enables it to be located easily. The indicator can be linked to the platform, with or without column, tabletop or wall fitted.

All functions of the i20 indicator are available and the user will appreciate the ergonomics of simple or elaborate applications.

General description

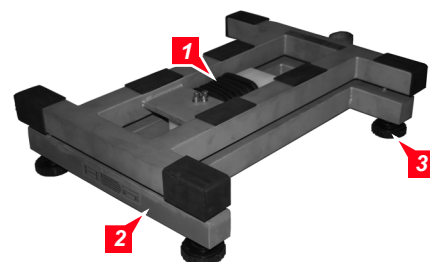
Indicator

- ▼ 304L IP 66 protection embossed stainless steel.
- ▼ Supplied with universal support for tabletop, wall or column mounting.
- ▼ Touch keyboard.
- ▼ FSC-LCD colour new technology screen:
 - Weight display: seven 25-mm high characters.
 - Additional information : ten 8-mm characters.
 - Secondary units: 3 characters.
- ▼ Application: simple weighing, counting, +/- check, formulation, calculation.
- ▼ RS 232 connection for printer, reference scale for sampling or remote display.

Load receptor

The load receptor that is in IP 65 protected stainless steel comes in 4 dimensions:

- ▼ 200 x 200 mm: 3, 6 and 15 kg
- ▼ 400 x 300 mm: 30 and 60 kg
- ▼ 500 x 400 mm: 60 and 150 kg
- ▼ 600 x 450 mm: 150 and 300 kg



1. Load cell protected by bellow
2. Stainless steel structure
3. Adjustable legs

Certification

- ▼ Metrology: CE LNE type 23948 certification.
- ▼ Electromagnetic Compatibility: compliant with the requirements of the 2004/108/CE Directive.
- ▼ Low Voltage: compliant with the requirements of the 2006/95/CE Directive.

Available models

Range	d	200 x 200	400 x 300	500 x 400	600 x 450	LT
3 kg	1 g	●	×	×	×	M
6 kg	1 g	●	×	×	×	×
6 kg	2 g	●	×	×	×	M
15 kg	5 g	●	×	×	×	M
30 kg	2 g	×	●	×	×	×
30 kg	10 g	×	●	×	×	M
60 kg	5 g	×	●	●	×	×
60 kg	20 g	×	●	●	×	M
150 kg	10 g	×	×	●	●	×
150 kg	50 g	×	×	●	●	M
300 kg	20 g	×	×	×	●	×
300 kg	100 g	×	×	×	●	M

Technical features

Dimensions

▼ Load receptor

Models	Platform (L x p)	Height		Centre-to-centre distance between legs	Weight
		Minimal	Maximal		
200 x 200	200 x 200 mm	85 mm	95 mm	170 x 160 mm	5 kg
400 x 300	400 x 300 mm	95 mm	120 mm	355 x 220 mm	8 kg
500 x 400	400 x 400 mm	110 mm	125 mm	440 x 315 mm	11 kg
600 x 450	600 x 450 mm	150 mm	165 mm	535 x 370 mm	18 kg

▼ Indicator (L x h x d): 252 x 148 x 58 mm

Electrical features

▼ Power supply:

- Mains voltage 90 - 230 V
- Frequency 50 / 60 Hz
- Consumption 14 W

▼ Power supply by integrated accumulator block (option)

- Autonomy* 16 - 48 h
- Loading time:
 - from 0 to 100 % 8 h
 - from 80 to 100 % 4 h




* Depending on the adjustment of the backlighting.

Environment

▼ Temperature range

- Operation - 10 °C / + 40 °C
- Storage - 20 °C / + 65 °C

Options

Battery	Data back-up	Communication	Logical inputs/outputs	Mounting kits
▼ Internal battery and plug-gable power supply cable (length 3 m) 	▼ Back-up on µSD card <ul style="list-style-type: none"> • Alibi memory (DSD) • Parameter and file storage 	▼ USB for connection to a PC ▼ 2 nd RS 232 / RS 485 connection ▼ Ethernet	Input/output interface (with galvanic insulation) ▼ Input: 2 8 to 30 V DC channels ▼ 4-channel 48 V/100 mA output:	▼ On platform  ▼ Columns ▼ Panel-mounting <ul style="list-style-type: none"> • Dimensions: 252 x 148 mm • Thickness: 10 mm max.

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WORLDWIDE WEIGHING