

R300
series



3.134 kg



TARE



GROSS / NET



PRINT



created to fit where
you really need it



The R300 series of indicators builds on over 15 years of design experience to create a series of cost effective reliable products that are ideal for use in mobile applications such as forklifts, platforms, inside truck cabs and crane scales, OEM applications.

(versatile housing
and mounting)

R320/ R310

- Durable IP65 ABS panel mount housing
- Durability maximised with the protective lens over the LCD to reduce risk of damage from knocks
- Optional desk stand with non-slip rubber feet
- Stainless steel swivel bracket for pole or wall mounting
- 4 AA Battery compartment built into optional desk stand



R320 with optional desk mount.



R323

- Tough stainless steel flush mount version
- Stainless steel wall/desk mount version with two stand options
- Internal AC version

(versatile powering)

AC, DC and battery

Wide DC operation (7 - 24V) to suit a variety of onboard OEM applications. Supports battery packs from 4.8V to 24V.

The rechargeable battery version is designed to achieve maximum time between recharges

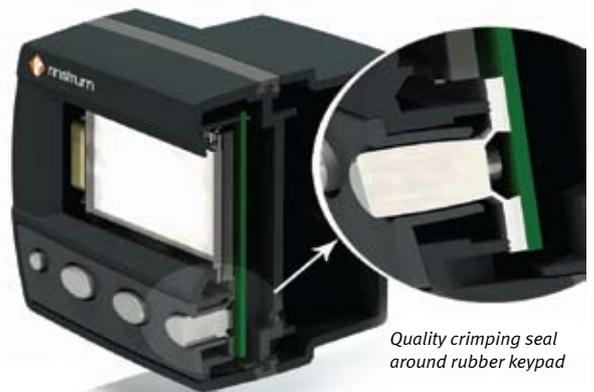
- Up to 75 hours (single load cell and no backlight) of continuous operation between charges depending on configuration
- Battery charging indication on charger
- Settable power save auto off feature
- Backlight off option
- Low battery indicator



What makes the R3 series indicators the number one for mobile onboard applications?

| | |
|--|---|
| Ultra compact housing (160x75x30mm) | Allows for the unit to be readily mounted on small control panels or equipment, reducing costly modifications to the units they are being installed into. |
| *Two isolated high side outputs | Reduces wiring and the need for external relays, saving installation cost and reducing overall system size. |
| Versatile power options with a wide DC operating range | Eliminates the need for third party power supplies saving on system complexity and cost. |
| Long life rechargeable battery option | Mobile installations allowing for operator flexibility. |
| Magnetically coupled opto-link on front fascia | Easy access in situ for updates/setup of the indicator, saving the installer time and effort. |
| IP65 rated housings | Dust and water tight, increasing reliability and indicator life time. |
| Trade and emissions approvals in Australia and Europe | End equipment is export ready with approved componentry. |
| Features | Benefits |
| High contrast LED backlit LCD display | Improves operator visibility and accuracy of reading the weight. |
| *Programmable function key | Improves operator productivity. |
| Printing can be customised | Easier setup and reduces the need for additional external programming. |
| *Built in clock calendar | Allows for traceable dockets to be printed, requiring a less sophisticated printer saving costs. |

*Not available on R310



Quality crimping seal around rubber keypad

R300 IP65 sealing arrangement of buttons



The indicator provides:

- General purpose weighing functions – totalising unit switching, counting, hold & peak hold
- Clear highly visible display – 20mm LCD display with LED backlight
- Customise - Programmable function key and configurable printing
- Versatile power options - AC, DC and rechargeable NiMH battery options
- Built in RS232 communications port
- Two Isolated outputs - High side driver up to 300mA, allowing for example, direct connection to PLCs and for external actuators to be driven directly

easy transfer of setup

The magnetically coupled opto-link on the front panel provides a convenient temporary connection to a laptop for:

- Transfer of setup and calibration information
- Download of software upgrades

No need to access rear of the indicator.

customise for oem applications

The **R320** is truly a versatile instrument. It has been customised for use in point of sale, truck weighing, agricultural processing, pallet-jack and packaging applications.

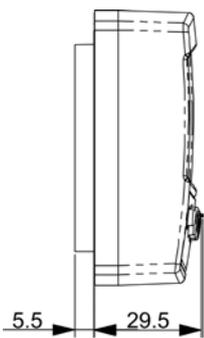


R300 series
THAT'S WEIGHING SMART

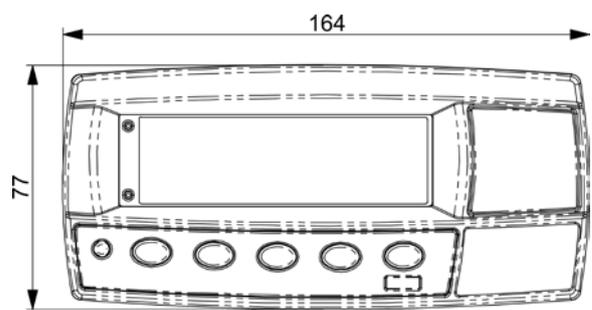


R320 Dimensions

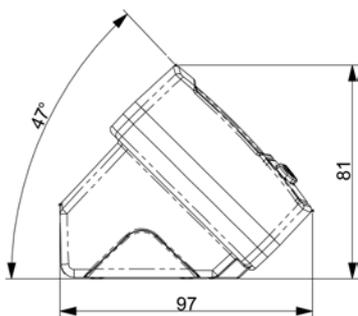
Side View



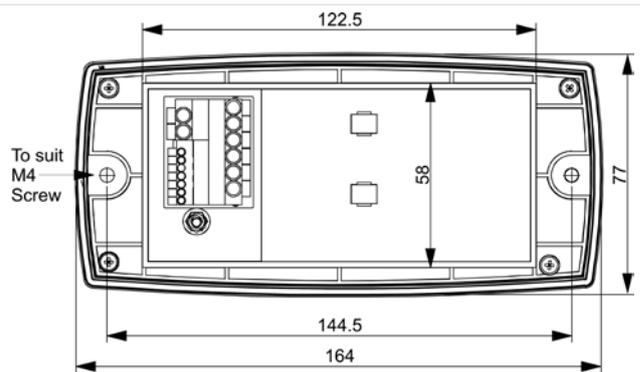
Front View



Side View with Boot

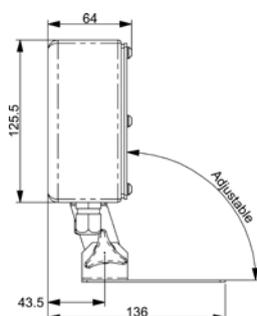


Rear View

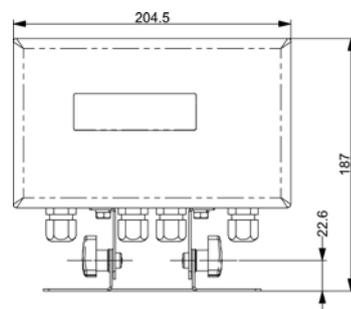


R323 Dimensions

Side View with Stand



Front View with Stand



| Performance | | R310 | R320 | R323 |
|---------------------------------------|---------|--|--|---|
| Resolution | | Up to 30,000 divisions, minimum of 0.25 μ V/division, 20 updates/second | | |
| Approvals | | FCC, CE, C-tick, Trade Approval Australia NMI(S-420) 4,000 d @0.8uV/d Trade Approval Europe OIML R76 4,000 d @0.8uV/d | | |
| Zero Cancellation | | +/- 2.0mV/V | | |
| Span Adjustment | | 0.1mV/V to 3.0mV/V full scale | | |
| Excitation | | 5 volts for up to 4 x 350 or 8 x 700 ohm load cells (4-wire or 6-wire plus shield) Maximum total load cell resistance: 3,500 ohms | | |
| A/D Type | | 24bit Sigma Delta with 8,388,608 internal counts | | |
| Operating Environment | | Temperature: -10 to +50°C ambient Humidity: <90% non-condensing Storage: -20 to +50°C ambient IP65 when panel mounted or with stainless steel or ABS boot | | |
| Display | | LED Backlit LCD with six 20mm high digits with units and annunciators | | |
| Setup and Calibration | | Full digital with visual prompting in plain messages | | |
| Digital Filter | | Sliding window average from 0.1 to 4.0 seconds | | |
| Zero Range | | Adjustable from +/-2% to +/-20% of full capacity | | |
| Standard Power Input | | 7 to 24VDC, 4.8, 9.6, 12 and 24V batteries (2.5 VA max) ON/OFF key with memory feature | | |
| Variants | AC | AC Plug pack: 110/240VAC 50/60Hz in 12VDC 1.5A out | | AC Power supply: 110/240VAC 50/60Hz in 12VDC 1.2A out |
| | Battery | 4 x AA batteries (Alkaline or rechargeable NiMH, NiCad, etc.) 2.5Ah 12V NiMH rechargeable battery pack with IP65 boot | | 12V battery pack (rechargeable NiMH) |
| Optical Data Communications | | Magnetically coupled infra-red communications Conversion cables available for RS-232 or USB | | |
| Correction | | Ten point linearity correction | | |
| Serial Outputs | | - | RS-232 automatic transmit, network or printer outputs. Transmission rate: 2400, 4800 or 9600 baud | |
| Assignable Function Key | | - | 1 | |
| Input/Outputs | | - | 2 Outputs - isolated transistor drive outputs (300mA total at 50VDC) | |
| Battery Backed Clock Calendar | | - | Battery life 10 years minimum | |
| Functions | | - | Unit switching, counting, manual hold, peak hold, live weight and totalising. High Res, Auto Tare, Show Setpoints. | |
| Setpoints | | - | 2 | |
| Remote Input (shared with comms port) | | - | 1 | |
| Case Materials | | ABS Housing ABS, Silicon Rubber, Nylon, Acrylic (no halogen used) | | Stainless Steel Flush Mount |
| Packing Weights | | Basic Indicator: 0.34kg | | Basic Indicator: 0.49kg |
| Optional Mounting | | ABS desk mount ABS waterproof boot (IP65) Stainless steel stand for pole or wall mount | | Stainless steel desk/wall mount |



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