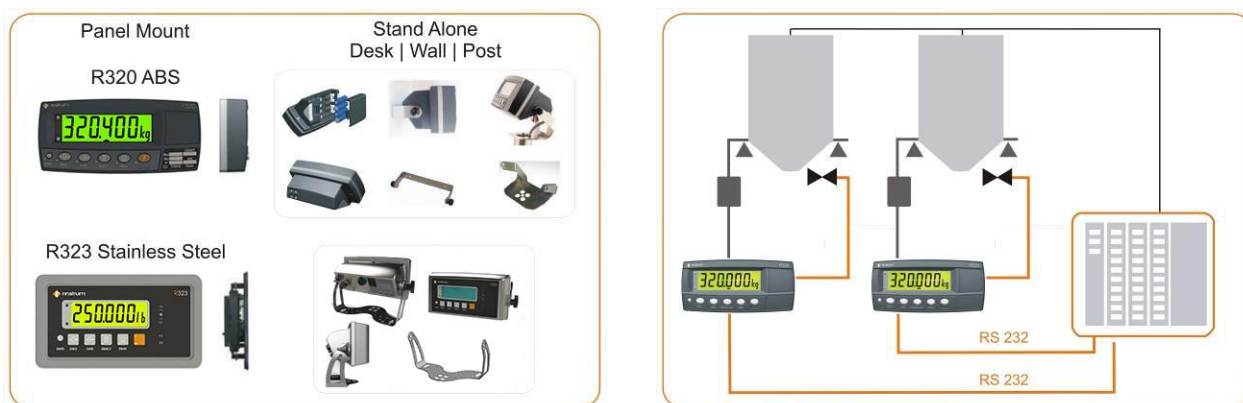


R320 and R323 – Data Sheet for K34* and K35* Firmware



- Trade Approved Australia/Europe/USA
- AC, DC and rechargeable NiMH battery options
- 20mm (0.8in) LCD display with LED backlight
- Versatile mounting options
- Tough, compact ABS housing or Stainless Steel housings
- Opto-link connector
- Connectors for simplified install
- IP68 rated housing

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, crane scales and OEM applications. The compact housing and versatile power supply options make them suitable for basic weighing through to OEM applications. They are ideal for basic weight-control or level-control functions.

Available in ABS and stainless steel housings:

- R320 IP65 ABS housing
- R323 IP68 stainless steel housing.

Each comes in a panel mount variant, with options for desk, wall and pole mounting.

Wide DC operation (7-24V) to suit a variety of onboard OEM applications. Eliminates the need for third party power supplies saving on system complexity and cost.

Long life rechargeable battery options ideal for mobile installations allowing for operator flexibility.

Opto-link magnetically coupled link on front fascia for easy access in situ for updates/setup of the indicator, saving the installer time and effort.

IP68 rated housings: Dust and water tight, increasing reliability and indicator life time.

Trade approved in Australia, Europe and USA. Products are export ready with approved componentry.

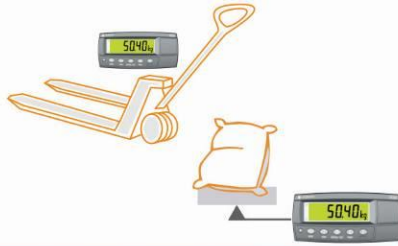
The R300 series indicators have a range of firmware options from basic weight display through to set points and custom printing.

Name	K342	K344	K346	K354	K356
Printing (Serial RS232)	-	Simple	Simple	Custom	Custom
Function Key - Programmable	HOLD	HOLD	HOLD	1	1
Counting	-	-	-	S	S
Manual Hold	S	S	S	S	S
Peak Hold	-	-	-	S	S
Totalisation	-	-	-	S	S
Ring Network	-	S	S	S	S
Bluetooth Accessory	-	A	A	A	A
Input	-	1	1	1	1
Clock Calendar	-	-	-	S	S
Set Points Outputs	-	-	2	2	2

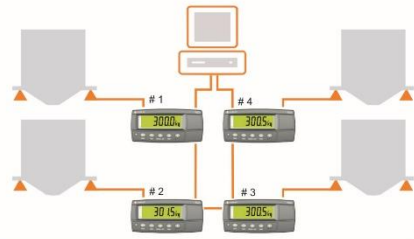
S – Standard

A – Accessory

K342: Basic Weighing



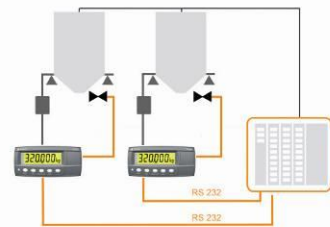
K344: Basic Weighing+RS232+Basic Printing



K354: +RS232+CustomPrint+Clock



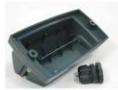
K356: +RS232+CustomPrint+Clock+I/O+Setpoint



Smart Weighing



Desk Stand
Rear Boot



IP65
Rear Boot



Wall Mounting

Flexible mounting and power options

- Desk stand with 4xAA battery compartment
- IP65 rear boot
- Rechargeable battery option
- Wall mounting bracket to work with desk stand or rear boot.

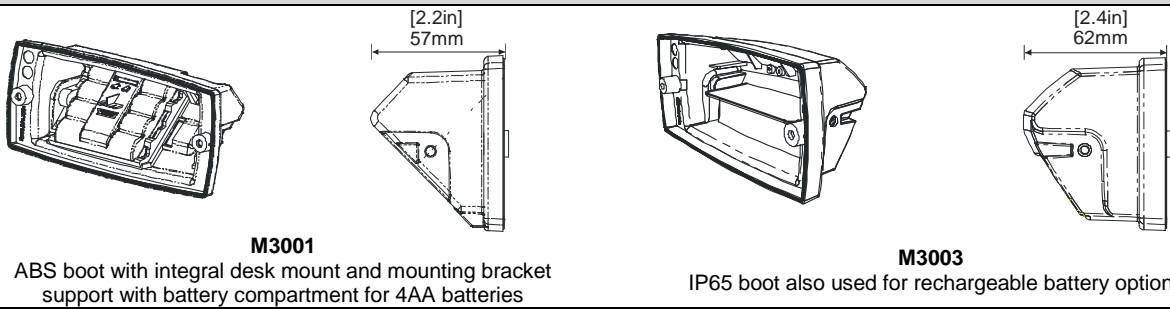
...now that's smart weighing.

R300 Series Specification Table

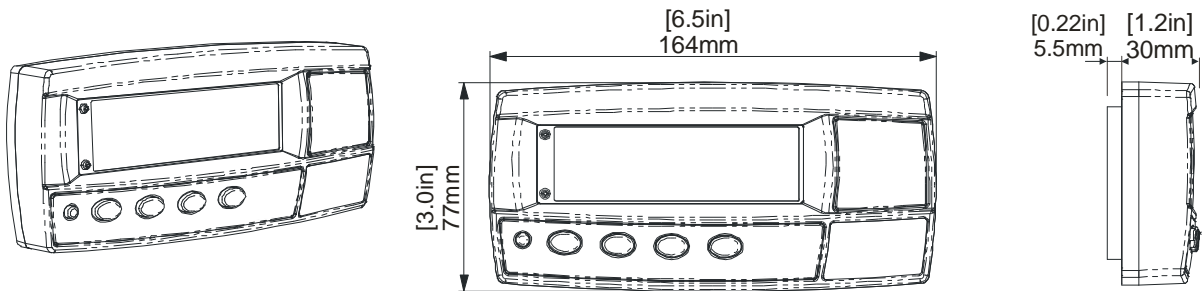
		R320 (ABS Housing)		R323 (Stainless Steel)	
Resolution		Up to 60,000 divisions, minimum of 0.25µV/division			
Zero Cancellation		± 2.0mV/V			
Span Adjustment		0.1mV/V to 3.0mV/V full scale			
Excitation		5 V for up to 4 x 350 or 8 x 700 ohm load cells (4-wire or 6-wire plus shield) Max total load cell resistance: 3,500Ω (4x350Ω Nontrade 8x350Ω)			
A/D Type		24bit Sigma Delta with 8,388,608 internal counts 20 updates/second			
Operating Environment		Temperature: –10° to +50°C ambient (14° to 122° F) Humidity: <90% non-condensing IP65 when panel mounted			
Display		LED Backlit LCD with six 20mm (0.8") 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 s			
Zero Range		Selectable from ± 2% to ± 100% Full Scale			
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	12V battery pack (rechargeable NiMH)		12V battery pack (rechargeable NiMH)	
		4 x AA batteries		-	
Case Materials		ABS Housing		Stainless Steel Flush Mount	
Packing Weights		Basic Indicator: 0.34kg (12oz)		Basic Indicator: 0.49kg (17oz)	
Optical Data Communications		Magnetically coupled infra-red communications Conversion cables available for RS232 or USB			
		K342	K344	K346	K354 K356
Serial Outputs		-	RS232 automatic transmit, network or printer outputs. Transmission rate: 2400, 4800, 9600 or 19200 baud		
Functions		Manual Hold			Unit switching, counting, manual hold, peak hold, totalising, high resolution, auto tare, display test
Assignable Function Keys		Fixed to Hold			1
Battery Backed Clock Calendar		-			Battery life 10 years minimum
Input/Outputs		-		2 Outputs- isolated transistor drive outputs (300mA total at 50VDC)	
		-	1 Input		
Set points		-	2(Basic)		2(Advanced)
Approvals		4,000 d @0.8uV/d NMI (S-420),OIML R76 10,000d III/III L NTEP 08-072 A1 FCC, CE, C-tick,			

R320 Brackets		R323 Brackets
 <p>M3002</p>		 <p>M3007</p>
		 <p>M3012</p>

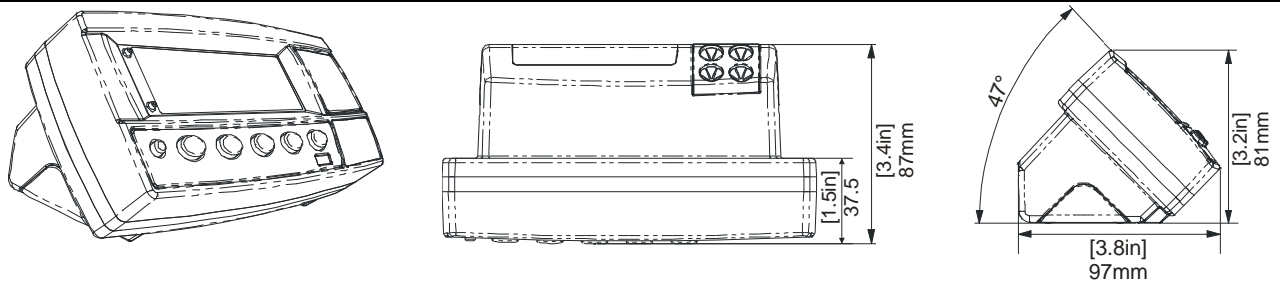
R320 Accessories – Rear boots



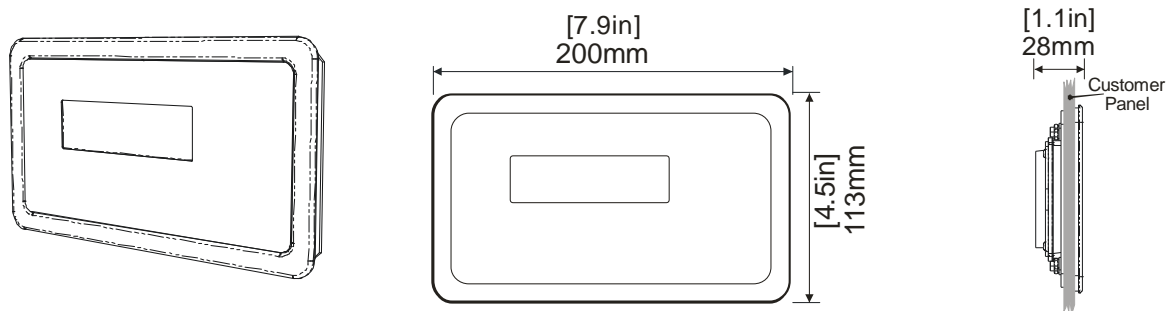
ABS Panel Mount



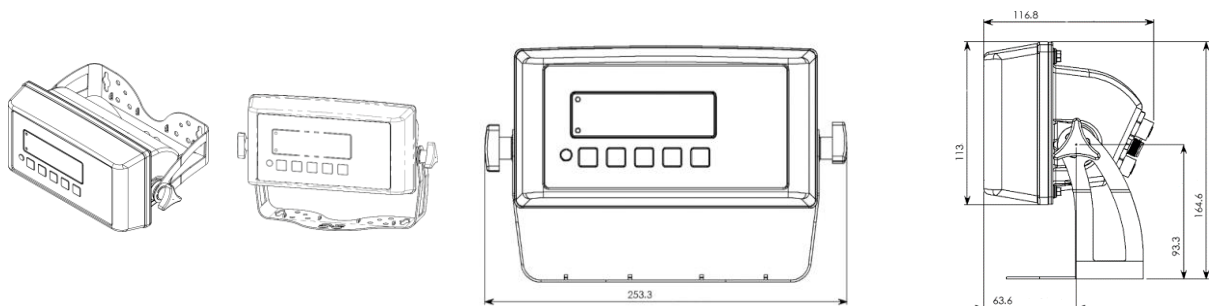
ABS with Rear Boot Desk Stand (M3001)



Stainless Steel Panel Mount



Stainless Steel with Rear Housing and Stand



Specifications are subject to variation for improvement without notice. Illustrations are indications only and variation may be evident between products