R323 Classic Stainless Steel Indicator – Data Sheet
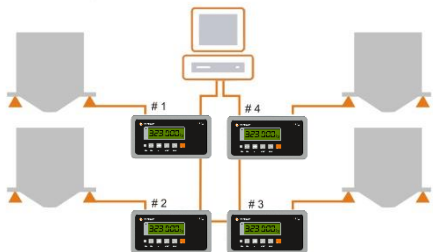

- Trade Approved Australia/Europe/USA

- AC, DC, Battery options

- 20mm (0.8in) LCD display with LED backlight

- Stainless Steel housing

- IP65 rated housing

- rinLINK connector

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. As with all R300 Series units, the R323 classic stainless steel indicators include more memory allowing for the range of application firmware to be preloaded. The R323 classic is available in AC and battery versions.

- **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.

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

- **IP65 rated housing**: 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 R323 supports a range of firmware options from basic weight display through to set points and custom printing. All the firmware is onboard, allowing for even easier upgrade in the field.

Ring Networked R320/R323s

Smart Weighing

Ring networking

- Connect up to 31 indicators in a ring network
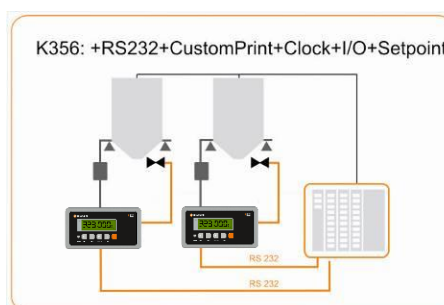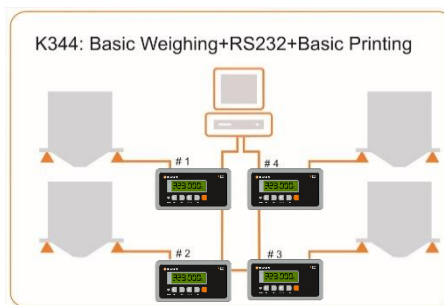- Save on cabling
- Single interface back to the master PC

now that's smart weighing…

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
totalization	-	-	-	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

R323 Specification Table

	R323 Classic Stainless Steel Full Housing
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 rating
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 Power supply: 110/240VAC 50/60Hz in 12VDC 1.2A out
	Battery	12V battery pack (rechargeable NiMH)

Case Materials	Stainless Steel
Packing Weights	Indicator with Stand: 2.42kg (85.5oz)
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, totalizing, 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,				

Specifications may change at any time without notice.

R323 Classic Stainless Steel Full Housing

[8.35in]
212mm

[2.52in]
64mm

[4.94in]
125.5mm

[7.5in]
190mm

[4.23in]
107mm

[8.61in]
219mm

[6.26in]
159mm

[5.08in]
129mm

[10.24in]
260mm

[5.43in]
138mm
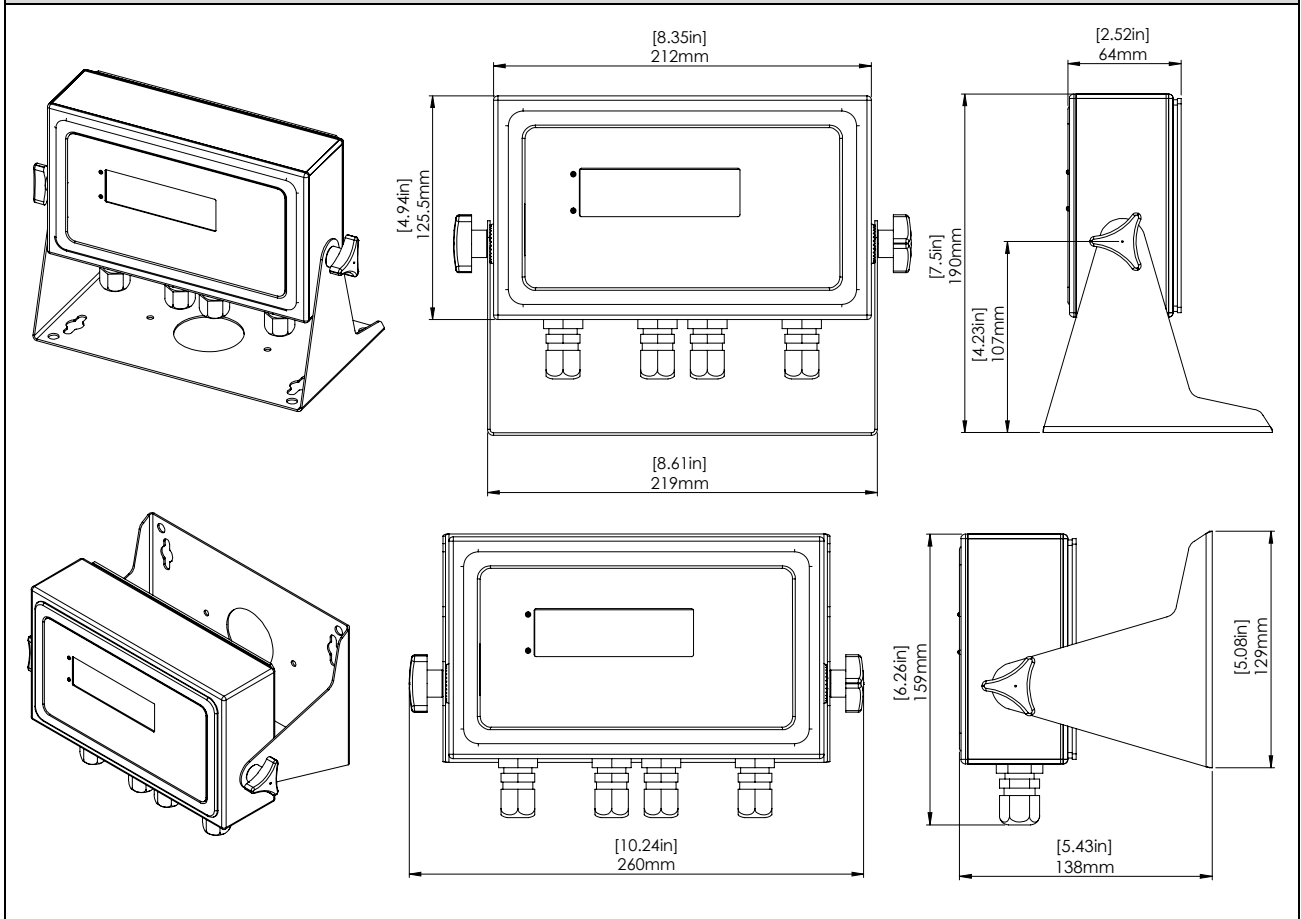
Specifications are subject to variation for improvement without notice. Illustrations are indications only and variation may be evident between products.