

R323 Classic Stainless Steel Indicator – Data Sheet

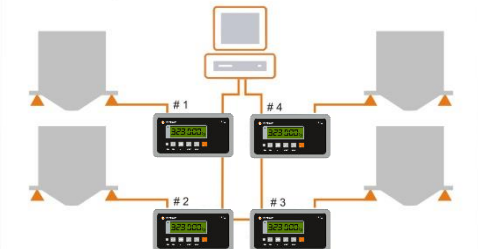


- Trade Approved Australia/Europe/USA
- AC, DC, Battery options
- 20mm (0.8in) LCD display with LED backlight
- Stainless Steel housing
- IP65 rated housing
- rinLINK connector

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. 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.

Ring Networked R320/R323s



The diagram shows a central computer icon at the top connected to a ring network of four indicator units labeled #1, #2, #3, and #4. Each indicator unit has a small display and is connected to the next unit in the ring. The units are shown in a square arrangement with arrows indicating the ring connection.

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 most basic functionality (K342) through to full set point functionality and custom printing at the top end (K356).

K356 Cross Grades: Certain features are specifically available in the cross graded versions of K356 firmware, see table below for feature set. These can be downloaded off the website and it will not require a passcode.

Firmware Version		K342	K344	K346	K354	K356	K356-C1	K356-C2	K356-C3	K356-C4
Print (Serial RS232)		-	Basic		Advanced		K356 Cross Grades			
Function Key	Counting	-	-	-	-	C	-	-	S	-
	Manual Hold	S	S	S	-	C	S	S	-	S
	Peak Hold	-	-	-	-	C	S	-	-	S
	Totalisation	-	-	-	S	S	S	S	S	S
	Medical Tare	-	-	-	-	C	-	-	S	-
Ring Network		-	S	S	S	S	S	S	S	S
Bluetooth Accessory		-	A	A	A	A	A	A	A	A
Remote Input		-	-	-	1	1	1	1	1	1
Clock Calendar		-	-	-	S	S	S	S	S	S
Set Point Outputs		-	-	2^	2^	2^^	2^^	-	-	-
Units lb/ kg Switching		S	S	S	S	S	S	S	S	S
Units lb/ kg/ oz/ g Switching		S	S	S	S	S	S	S	S	S
Gravity Compensation		-	-	-	S	S	-	-	S	S
Linearisation		S	S	S	-	-	-	-	-	-
Animal Weighing		-	-	-	-	C	-	S	-	-
Quick Calibration		S	S	S	S	S	S	S	S	S

R300 series firmware comparison

S - Standard Accessory A - Optional Accessory

^ - Basic Over/ Under Setpoints

^^ - Advanced Set Points

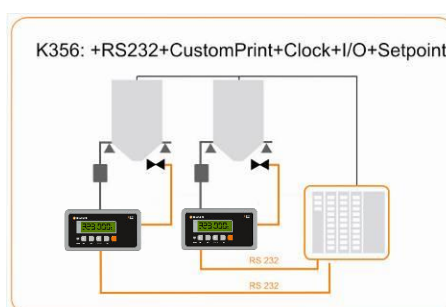
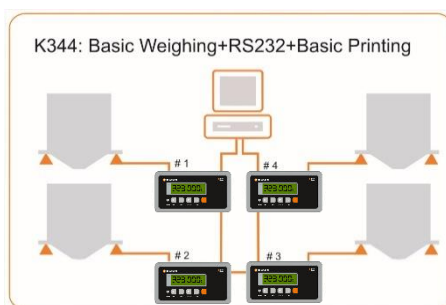
C - Cross Grade

C1 - K356-PEAK

C2 - K356-LIVE

C3 - K356-COUNT

C4 - K356-MED

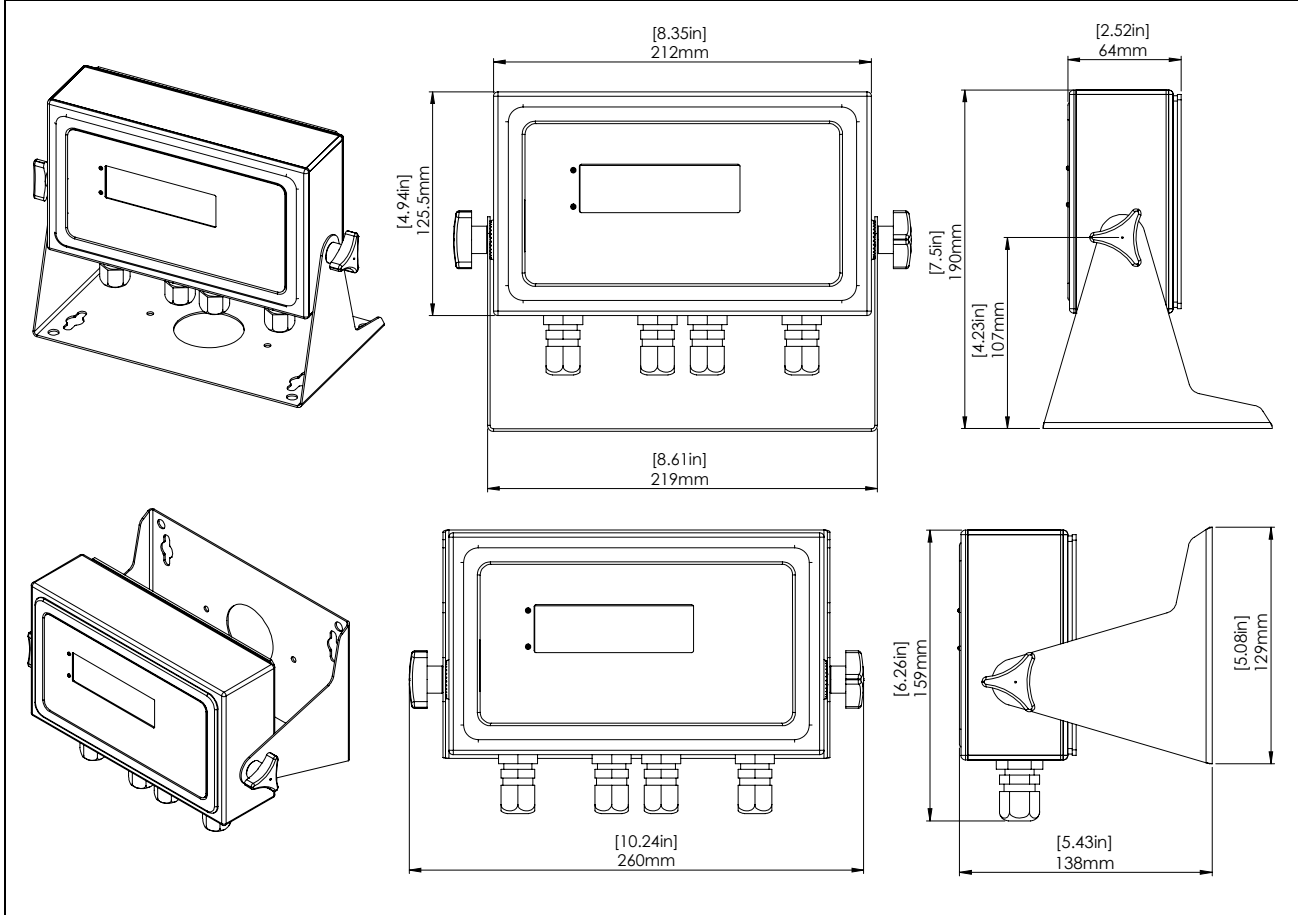


R323 Specification Table

		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/ K356-Cx
Serial Outputs		-	RS232 automatic transmit, network or printer outputs. Transmission rate: 2400, 4800, 9600 or 19200 baud			
Functions		Manual Hold			Unit switching, totalizing, high resolution, display test. Refer to firmware comparison table	
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



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