

Weighbeams Stainless Steel - General Purpose R320 Industrial Indicator

Capacity 3000kg x 0.5kg graduation with a high Accuracy Scale 0.1% of the applied load. The Euroscopes Weighbeams are designed for portability and can be re-sited and up and running again in minutes.

Their low profile design make them especially easy to load by manual hand pallet trucks. The R320 is a digital weighing indicator ideal for use in platform scales and simple weighing applications where the display of weight is the primary requirement. It is fully trade approved under OIML and NSC to 4,000 divisions. The unit's software is run from flash memory and can be upgraded in the field using the rin-link connection. Powering options include: 12-24VDC or 4 AA batteries. It can be panel, desk, wall mounted or mounted on a stand. The programmable function key can be configured for any one of the built-in functions (Counting, Manual Hold, Peak Hold, Live Weight Totalising).



Display Performance

Resolution

Up to 30,000 divisions, minimum of 0.25mV/division, 20 updates/second (Trade 4000 divisions at 0.8mV/division)

Zero Cancellation

$\pm 2.0\text{mV/V}$

Span Adjustment

0.1mV/V to 3.0mV/V full scale

Stability/Drift

Zero: $< 0.1\mu\text{V}/^\circ\text{C}$ (+ 8ppm of deadload max): $< 8\text{ ppm}/^\circ\text{C}$, Linearity $< 20\text{ppm}$, Noise $< 0.2\text{mVp-p}$

Excitation

5 Volts for up to 4 x 350 ohm load cells (4 wire or 6 wire + shield)

A/D Type

24 bit Sigma Delta with 8,388,608 internal counts

A/D Conversion rate

20Hz with FIR filtering > 80dB

Operating Environment

Temperature: -10 to +50°C ambient, Humidity: < 90% non-condensing

Digital

Display

LCD - six 20mm high digits plus units and annunciators - LED Backlight

Setup and Calibration

Full digital with visual prompting in plain messages

Digital Filter

Sliding window average from 0.1 second to 4.0 seconds

Zero Range

Adjustable from $\pm 2\%$ to $\pm 20\%$ of full capacity

Power Input

Standard

12 to 24VDC (2.5 VA max) - ON/OFF key with memory feature

Variant - AC

AC Plug pack: 110/240VAC 50/60Hz in - 12VDC 0.5A out

Variant - Battery

4 x AA batteries (Rechargeable 2.5 Ah NiMH)

Features

rin-LINK data coupling

I.R. Data Coupling for optional rin -LINK cable (to RS-232 PC port)

R320 Extra Features

Ten Point Linearity Correction

RS-232 automatic transmit, network or printer driving

Assignable function key: Unit switching, counting, manual hold, peak hold and animal weighing.

2 isolated transistor-drive outputs

Battery backed clock calendar

Approvals

OIML (TC6242, T6244), NSC (S420), CE, FCC, C-Tick

Weighbeams

Load cells

IP67 sealed stainless steel load cells—Flintec SLB 1000 C3 / R60 approved

Standard finish

Brushed 160 grit stainless steel finish

Construction

Heavy duty folded stainless steel construction

Size

1200mm long + handle, width 120mm, height 60mm

Cables

standard cables 2.5M length with Amphenol plugs

Warranty

5 years on loadcells

Feet

Weights and Measures certified loadcell mounts, stainless steel