Thor Forklift Truck Scale in Mild Steel R320 Industrial Indicator
Heavy Weigh Forks, combining time proven durable design with the latest innovations in industrial weighing. High Accuracy Scale 0.1% of the applied load with a Class 2 capacity 2500kg x 0.5kg graduation. Class 3 capacity 5000kg x 1kg graduation. (other display resolutions available) Supplied calibrated and ready to use, power taken from the trucks battery as to maintain a single charging routine.

The R320 is a digital weighing indicator that is fully trade approved under OIML 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. The programmable function key can be configured for any one of the built-in functions (Counting, Manual Hold, Peak Hold, Live Weight Totalising). The built-in RS-232 serial port is 15kV protected. Two isolated setpoint outputs provide for basic weight-control or level-control functions.

User friendly design places the indicator in easy reach for the operator with-out heavily infringing on visibility

Display Performance

Resolution	Up to 30,000 divisions, minimum of 0.25mV/division, 20 updates/second (Trad
Zero Cancellation	±2.0mV/V
Span Adjustment	0.1mV/V to 3.0mV/V full scale
Stability/Drift	Zero: < 0.1uV/°C (+ 8ppm of deadload max) < 8 ppm/°C, Linearity < 20ppm, N

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 ±2% to ±20% of full capacity

Power Input

Battery	Power taken from the trucks main battery

Features

rin-LINK data coupling	I.R. Data Coupling for optional rin -LINK cable (to RS-232 PC port)
R323 Extra Features	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

Weigh Forks

Load cells	IP67 sealed stainless steel load cells—Flintec
Standard finish	High quality paint finish in blue grey RAL 7031on contact surfaces
Construction	8mm thick Welded Mild Steel contact surface
Size	Class 2A forks at 1150mm long (other sizes available which include 2B, 3A, 3B
Warranty	12 Months on loadcells
Cables	Cabling, complete with Amphenol connectors