



LPR-100 BELTSCALE

Beltscales are designed for measuring bulk materials on the belt conveyors continuously. Instant flow rate, total amount of transferred materials, speed and spreading load can be displayed, recorded and taken into control. Especially used on mining industry, building materials and chemicals, food industry, energy sectors and powders, pellets and granule based bulk materials.



Specifications

- 3 different Totalizer
- +/- % 0.25 accuracy (% 20 to 100 flowrate)
- Up to 1kHz encoder output compatible
- Speed [m/s], Flowrate [t/h], Spreading Load [kg/m] can be monitored
- 3840 measurements per second
- Modbus RTU/ASCII
- Batching with specified quantities of material
- Adjustable periodic pulse output
- 0-10V / 4-20mA Analogue Output
- Remote Display Output



Technical Specifications

DEVICE	
Screen	2.0" 128x64pixel graphic LCD
Keypad	4 ps tactile keypad
Status Indicators	Belt Animation, Minimum/Maximum Flowrate Symbols, Zero zone and dynamically changing key icons
Encoder Input	0.3 Hz - 1kHz signal range
A/D CONVERTER	
Minimum Input	0.02uV/divisions
Loadcell Input	350-1000 Ohm (Maximum 10 Loadcell)
Internal Resolution	24bit / 16.000.000
Conversion Rate	3840 samples/seconds
Loadcell Excitation	5Vdc
CALIBRATION	
Calibration	Load or Digital Calibration
OPTIONS	
Outputs	8pcs 10A/250V
Inputs	8pcs optically isolated digital input
Options	Optional 2pcs 0-10V analogue input Optional 1pcs 0-10V or 4/20mA analogue output
COMMUNICATION	
Communication	1 pcs RS232 or RS485 selectable serial output. 1200-115200bps 1 pcs standard RS232 serial output. 1200-115200bps Modbus RU/ASCII communication
WORKING ENVIRONMENTS	
Supply/ Power	24Vdc (+/- % 10) / 5W maximum
Case/ Dimensions	DIN Rail/Wall Mount Type Plastic Case, 126x91x57mm
Working Temperature	-20/70°C
IP Class	IP54

DIMENSIONS

126 x 91 x 57 mm Din-Rail Case

