FEATURES

- Capacity - 17 to 50tonne
- Accuracy - ±1.5%
- Net payload weight
- Display shows GVW and percentage loading on tractor and trailer
- Alarm sounder
- RS232 output
- Trailer identification

OPTIONAL FEATURES

- Printer - thermal
- Printer - heavy duty
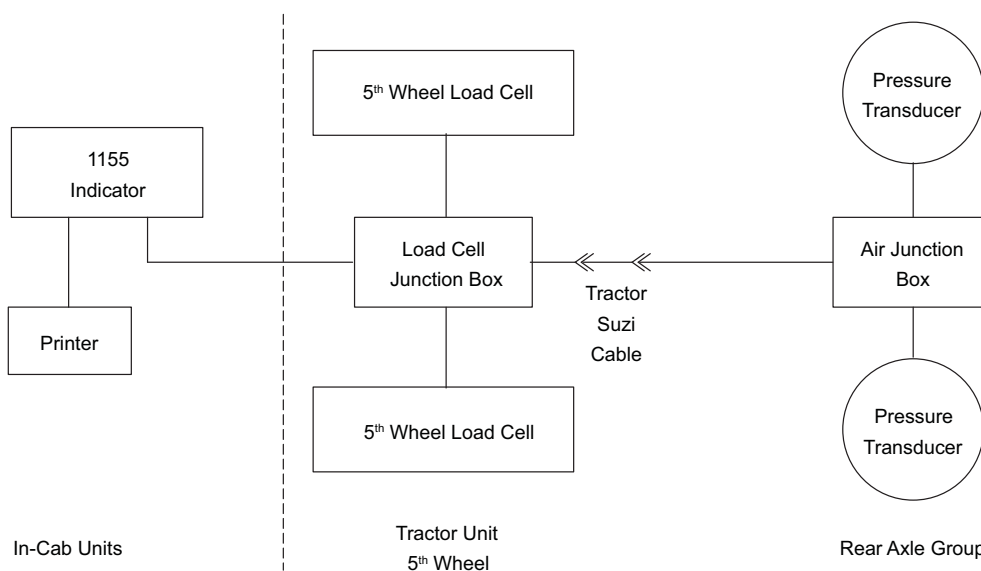- Custom printer headers
- 511 FreeWeigh - handheld remote display

DISPLAY

- LCD with graphics
- DIN, dash or trailer mount
- Gross/net weight
- Axle group weights
- Stability indication
- Diagnostics

DESCRIPTION

The 5ᵗʰ Wheel & Air system incorporates an air sensor principle to measure the pressure in the trailer's air suspension system; specifically designed fifth wheel load cells replace the existing fifth wheel pedestal. Accurate and simple to operate, 5ᵗʰ Wheel & Air is suitable with any combination of tractor trailer in multiple vehicle fleets via trailer swap identification. The system displays front and rear axle groups as well as vehicle total weight on the 1155 indicator.

APPLICATIONS

- For all major makes of the fifth wheel
  - Jost
  - VBG/Fontaine
  - York
- All trailer units with air suspension

SYSTEM BLOCK DIAGRAM

5th Wheel & Air

PM Onboard

On-Board Weighing System for
Articulated Vehicles

VISHAY
PRECISION
GROUP

SPECIFICATIONS

PARAMETERS	MINIMUM	TYPICAL	MAXIMUM	UNIT
SYSTEM				
Accuracy	1.5			% GVW
Gross weight capability	17		50	tonnes GVW
Operating voltage	15	24	30	Vdc
Supply current - operation (@24Vdc)			300	mA
Supply current - standby (@24Vdc)			10	mA
Operating temperature	0		60	°C
INDICATOR				
Type	LCD			
Size	79.0 x 30.9			mm
Operating temperature	-10		+50	°C
Resolution	240 x 90 dots			
Dot pitch	0.42			mm
Environmental protection	IP 20			
On screen display of weight				
Password protection	4 digits, manager and user PIN			
Load deliver capability				
Form factor	Din cut out			
ACCESSORIES AND OPTIONS				
511 FreeWeigh compatible	Wireless remote unit, 868 MHz, 15 channels			
Weighing modes	Standard, axle, twin/5th wheel and air, drawbar			
INTERFACES				
Serial printer port	RS232, 9 pin female			
Baud rate	1200, 2400, 9600, 19200, 57600			bps
Expansion connector	12 pin male			
Junction box connector	4 pin male			
Power connector	4 pin male			
Overload alarm audible	Optional external alarm sounder on vehicle			
Alarm output level (@24Vdc)	102			dB(A)
Adjustable bracket				
Trailer mount				