

# 5th Wheel System

#### **FEATURES**

- 1% of net payload
- Easy to operate
- Extensive self diagnostic
- Easy two-step calibration
- Post calibration
- Weight set-alarm points
- Supervisor lock-out
- Graphic TFT color display with LED backlight
- Optional:
  - o Remote display using hand-held unit (HHR)
  - Printer
  - Scoreboard

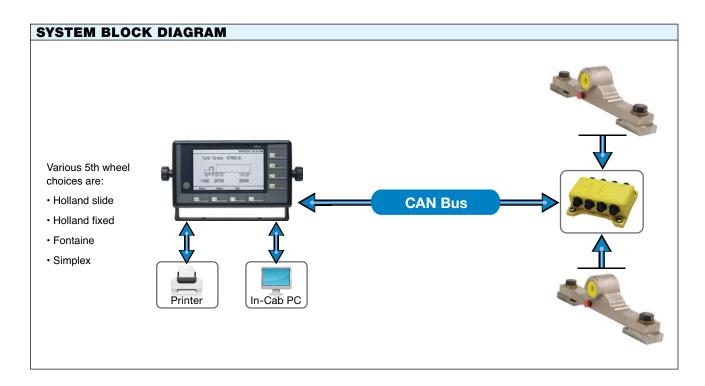
#### **APPLICATIONS**

- · Bulk hauling
- · Forestry/logging
- Aggregate
- Waste
- Agriculture



#### **DESCRIPTION**

VPG Onboard offers various 5th wheel solutions, including Holland Fixed or Slide, Fontaine or Simplex. The systems increase profits for haulers. Designed for both OEM and retrofit installations, the system is easy to install and provides years of trouble free operation.





# 5th Wheel System

SPECIFICATIONS					
PARAMETERS		DESCRIPTION			
SYSTEM					
Accuracy		1% of net payload			
Capacity (GVW)		unlimited			
Number of load cells		2			
Number of channels		1			
METER	,,,,				
Display		4.3".	480x272, graphic co	or TFT with LFD ba	cklight
Size		160 x 85 x 25 (W x H x D)			mm
		6.3 x 3.34 x 1 (W x H x D)			inch
Count by (Divisions)		1, 10, 20, 50, 100			
Weighing units		Pounds (lb) or kilograms (kg)			
Communication		RS232, CAN			
	Digital inputs	2			
Inputs /outputs		2, solid state, short circuit proof. Triggers:			
-	Digital outputs	. D	condition		
		Programmable set point level reached (overload or target payload) 2			
Expansion slots				2	ı
Audible alarm			75		dB
Setup and calibration		Protected by password Optional, using remote hand-held unit (HHR)			
Remote display Power	O	<u> </u>	ptional, using remote		T .
	Operating voltage	10.5	40	32	VDC
	Current consumption	40 95 mA			
	Shocks and vibration	Suitable for in-cab automotive environment			
	Humidity (non-condensing)	30		85	% R.H.
Environmental conditions	Operating temperature	-4 -20		158 70	°F °C
	Storage temperature	-4		185	°F
		-20		85	°C
Protection level		IP20			
TRANSMITTER		1 -	T .	_	I
Number of load cells		2	4	6	
Sample rate (per l	•		1		kHz
Load cell excitation voltage			5		VDC
Load cell input range				3	mV/V
Offset drift				10	PPM/°C
Gain drift				5	PPM/°C
Tilt measurement accuracy			2.0		Deg.
Communication		CAN			
Diagnostics		Extensive diagnostics of load cells, hardware and communication			
Power	Input voltage	10.5		32	VDC
	Current consumption with 6 load cells			120	mA
Environmental conditions	Shock and vibrations	Per ISO 16750-3 standard			
		-40	. 5. 155 1676	158	°F
	Operating temperature	-40		70	°C
	Storage temperature	-40		185	°F
		40			
	Humidity	100% condensing			
	Protection level	IP67 and IP69K; NEMA 4X			
	Resistance to solvent	Per automotive requirements for chassis installed u			ed units
Size		114 x 48 x 140 (W x H x D)			mm
JIZC		4.5 x 1.9 x 5.5 (W x H x D)			inch





# 5th Wheel System

SPECIFICATIONS (Contd)				
PARAMETERS	DESCRIPTION			
LOAD CELL				
Material	Alloy steel, nickel plated			
Weight	52 lb with mounting hardware (standard)			
Size	22.5" long			
Output	0.5 ±0.01 mV/V @ 18,000 lb			
Impedance	350 Ω minimum			



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