

# BPW AGRO Hub

## Product matrix – Packets

### Product matrix

Axle cross section Axle type	Axle load	120x10	120x15	150x10	150x16	150x20
GS(LA) 11000	10-11t	x	x			
GS(LL) 12000	12-13t			x	x	
GS(LL) 14000	14-15t				x	x

### Packet 1

Vehicle	Components	Amount of axle load sensors
	single axle	1
	Tandem	2
	Tridem	3

Delivery conditions: • Load sensor mounted on the axle

Available with the following suspension types
› Mechanical – VB
› Boogie
› Hydro-pneumatical – HP
› Air
› unsprung

### Packet 2

Vehicle	Components	Amount of axle load sensors (DMS)	Amount of speed sensors (DDS)	Amount of Hubs	Amount of measuring amplifiers	necessary measuring towing eyes (no BPW delivery)
	single axle	1	2	1	1	1
	Tandem	2	2	1	1	1
	Tridem	3	2	1	1	1

Delivery conditions: • Load sensor and speed sensor mounted on the axle  
• Hub and measuring amplifier are delivered either loose or with complete suspension unit

### Features

- › ISOBUS - communication
- › Wireless communication with free Android-App
- › Weighing system
- › Mileage, average speed, current speed
- › Tusk controller
- › Data sharing

AGRO Hub Wiegesystem 2019-024-EN



# BPW AGRO Hub

## We make axles communicate

# BPW axle load sensor

Know how it went, and what it weighs

Technical specifications	
Operating voltage	8 - 30 VDC
Output current	4 - 20 mA
intrinsic current consumption	< 10 mA
Temperature range	-40°C to +70°C
EMC resistance	according to EN ISO 14982:1998
Protection class	IP 67 according to DIN EN 60529
Connection type	3 pol. AMP Superseal

# BPW AGRO Hub

The BPW weighing system

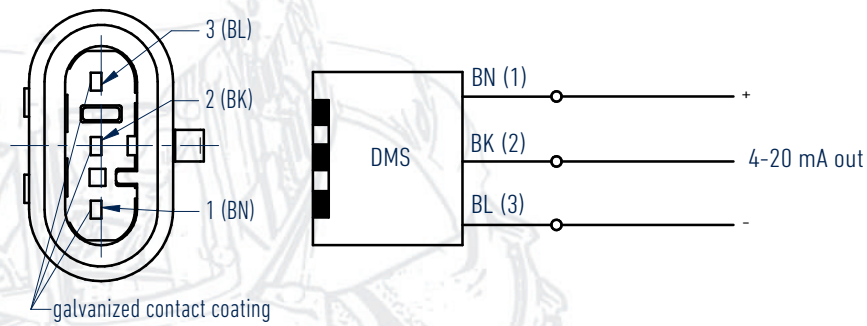
The AGRO Hub with axle load sensor was developed and adjusted in consideration of the characteristics and behaviour of the axle beam.

### Stable signal in difficult off-road environment:

The strain gauge is specially mounted in order to avoid sensor movement and send a stable signal.

### Smoothing driving surges for the measurement:

The AGRO Hub algorithm was developed to equalize impacts caused by road-bumps for the dynamical measurements.



### Axle load sensor – strain gauge

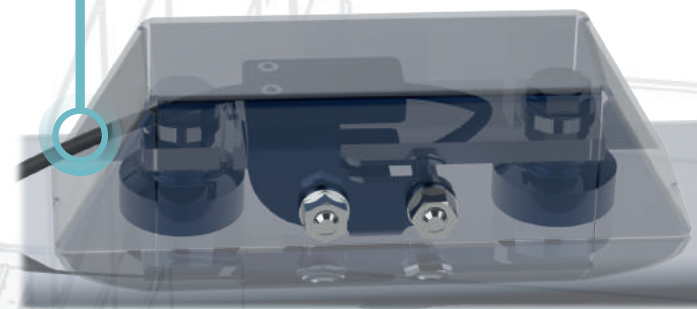
- accuracy of about 2%
- safe function by integrated and protected design
- Pre-calibrated to the delivered axle

Measuring towing eye (no BPW delivery)

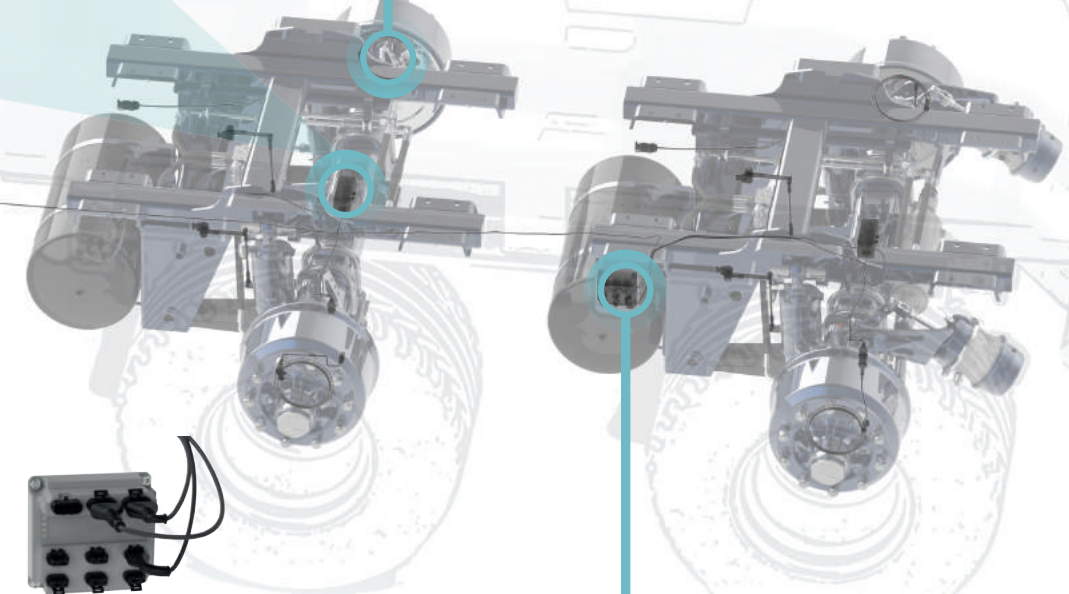
measuring amplifier

### Your benefits at a glance

- > Dynamical total weight measurement
- > Optimal operating costs by monitoring the total weight and the payload
- > Highest reliability due to the development especially for the BPW axle beam
- > Stable signal in difficult off-road conditions and under extreme temperature fluctuations
- > Simple calibration



speed sensor



Hub

we think transport

