

Hydraulic Vehicle Brake System

Brake system for vehicles or moving barriers to avoid a second impact. Also used for emergency braking.

- | Trigger signal via radio
- Battery operation no trailing cable required
- Compact system quick and easy installation in the vehicle
- Monitoring of operating status, brake pressure and battery level
- Control of multiple vehicle brakes with one stationary radio unit





- 1 Hydraulic Vehicle Brake
- 2 Mobile Radio Unit
- 3 Stationary Radio Unit

Figure 1: Main components Hydraulic Vehicle Brake System

TECHNICAL SPECIFICATIONS

Hydraulic Vehicle Brake		
Brake system type	Hydraulic disc brake on each wheel	
Operating pressure	130 bar	
Dimensions (L x W x H)	177 mm x 170 mm x 137 mm	



Mounting grid	150 mm x 105 mm (M12)	
Weight	6 kg	
Shockproof	100 G	
Power supply	24 VDC, 1.5 A	
Typical power consumption (standby)	25 mA	
Battery capacity	1,800 mAh, 12 VDC (NiMH)	
Battery operating temperature	045°C	
Hydraulic connection	Minimess	
Brake fluid	DOT 4	
Mobile Radio Unit		
Dimensions (L x W x H)	134 mm x 61 mm x 35 mm	
Mounting grid	122 mm x 44 mm (M6)	
Weight	0.3 kg	
Weight Shockproof	0.3 kg 100 G	
Weight Shockproof Radio control range (visual contact)	0.3 kg 100 G 300 m	
WeightShockproofRadio control range (visual contact)Operating frequency	0.3 kg 100 G 300 m ISM band channel 1 standard 802.11b, 2.413 GHz	
WeightShockproofRadio control range (visual contact)Operating frequencyStationary Radio Unit	0.3 kg 100 G 300 m ISM band channel 1 standard 802.11b, 2.413 GHz	
WeightShockproofRadio control range (visual contact)Operating frequencyStationary Radio UnitDimensions (L x W x H)	0.3 kg 100 G 300 m ISM band channel 1 standard 802.11b, 2.413 GHz 185 mm x 105 mm x 50 mm	
WeightShockproofRadio control range (visual contact)Operating frequencyStationary Radio UnitDimensions (L x W x H)Mounting grid	0.3 kg 100 G 300 m ISM band channel 1 standard 802.11b, 2.413 GHz 185 mm x 105 mm x 50 mm 125 mm x 80 mm (M5)	
WeightShockproofRadio control range (visual contact)Operating frequencyStationary Radio UnitDimensions (L x W x H)Mounting gridWeight	0.3 kg 100 G 300 m ISM band channel 1 standard 802.11b, 2.413 GHz 185 mm x 105 mm x 50 mm 125 mm x 80 mm (M5) 0.7 kg	
WeightShockproofRadio control range (visual contact)Operating frequencyStationary Radio UnitDimensions (L x W x H)Mounting gridWeightPower supply	0.3 kg 100 G 300 m ISM band channel 1 standard 802.11b, 2.413 GHz 185 mm x 105 mm x 50 mm 125 mm x 80 mm (M5) 0.7 kg 24 VDC, 0.25 A	
WeightShockproofRadio control range (visual contact)Operating frequencyStationary Radio UnitDimensions (L x W x H)Mounting gridWeightPower supplyNumber of mobile radio units supported	0.3 kg 100 G 300 m ISM band channel 1 standard 802.11b, 2.413 GHz 185 mm x 105 mm x 50 mm 125 mm x 80 mm (M5) 0.7 kg 24 VDC, 0.25 A 4	
WeightShockproofRadio control range (visual contact)Operating frequencyStationary Radio UnitDimensions (L x W x H)Mounting gridWeightPower supplyNumber of mobile radio units supportedOperating frequency	0.3 kg 100 G 300 m ISM band channel 1 standard 802.11b, 2.413 GHz 185 mm x 105 mm x 50 mm 125 mm x 80 mm (M5) 0.7 kg 24 VDC, 0.25 A 4 ISM band channel 1 standard 802.11b, 2.413 GHz	

Scope of supply	 	Hydraulic Vehicle Brake System Connecting cable for Mobile Radio Unit (3 m) Power supply for Hydraulic Vehicle Brake (2 m)
Optional equipment	I I	Hand pump to load brake with hydraulic pressure Integration into MESSRING facility control system