



Control & Automation Systems



The Autotruck - suitable and designed for internal, light material handling applications, and is an alternative to trolleys and towing trucks.

Application

The Autotruck is manually started after loading and/or unloading of goods. Autotruck then follows a pre determined route of reflective tape adhered to the floor. It will automatically stop at selected points along the route. The route and the stops are infinitely adjustable to your requirements.

The Truck can also be controlled manually by remote control or on the truck control panel.

Design

Autotruck has a steel chassis construction with an ABS plastic cover. All drive motors, electronics and batteries are contained within the cover. The rear wheels are of a rubber construction and the drive wheel polyurethane. The control panel is mounted on the rear of the vehicle. A flashing light operates when the vehicle is in operation. Batteries are charged via an external connection.

Hard-wearing reflective tape Diamond Grade™ is used to map the route and detail the stop stations. The front of the vehicle contains two safety switches. The Bumper will stop Autotruck the moment it encounters an obstruction, also ultra sound sensors detect obstacles in the path of the vehicle within a distance of 0.5 metres.

Tape, battery and battery chargers are ordered separately.

Accessories

Autotruck transportation trolley, remote control for manual drive, warning flag and towing hook.

Floor Requirements

The Autotruck can be used on any normal industrial flooring and also in office environments.



Dimensions and Technical Information

	Performance
Maximum Speed	2,5 kh
Towing Capacity ¹	500 kg
Maximum Load on the Truck	50 kg
Maximum Rising Degree ²	<200 kg 2,5%, 200-300 kg 2%, >300 kg 0%
Continuous Sound Level	<70 dB A
Dimensions and Weight	
Weight incl batteries 50 Ah	92 kg
Weight incl batteries 70 Ah	110 kg
Length	1100 mm
Width	780 mm
Height to Manoeuvring Panel	730 mm
Road Clearance	20 mm
Axle Distance	515 mm
Reflex Tape	
3M Diamond Grade 3910™	45,72 m/rulle

Batteries

Keymas approved batteries are the only one which may be used. The Autotruck is equipped with two series connected 12 V batteries. Operating time is approximately 10 hours continuous driving with 70 Ah batteries and maximum load. The gel batteries are valve vented and no liquid needs to be filled during the whole lifetime.

Voltage	Capacity	Weight	Size (LxWxH)
12 V	50 Ah/C5	20kg	278x175x190 mm
12 V	70 Ah/C5	30kg	330x171x235 mm

Engine

Power Output	2 x 350 W
Engine Type	12 VDC

Wheels

Drive Wheels	200 x 500 mm
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Turning Radius

Smallest Turning Radius	< 1250 mm
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Autotruck requires servicing pre determined intervals to prevent malfunctions and accidents. All adjustments, modifications and alterations should only be performed by qualified Keymas personnel. All spare parts used must be approved Keymas components.

¹ Load indicated is valid for load on trolleys when towing. A plastic box can be placed on top of the Autotruck (size 600x400 mm). If loading such a box, the total towing capacity is reduced with the weight of that box with content. Recommended width for load carriers are maximum 800 mm.

² The Autotruck manages shorter distances between different levels, though with a maximum length of 2,5 m. Please note that the route cannot have any curves when any part of the vehicle is in rake.

For more information or to arrange a visit to discuss any requirements including ROI calculations please contact Keymas Ltd by phone on 01384 401162 or email sales@keymas.co.uk