



DS50
Wind Management

Daytona Stage Hire

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DS50 Wind Management

General Information.....

Wind management is an important feature on our DS50 stage, the stage is built strong with a total weight of 9000kgs of which a good percentage is low down, the stage has 4 heavy duty landing/levelling legs and then a further 20 legs to ground making an extremely stable structure.

In windy conditions the tractor unit would be left attached to the stage, this would add an extra 7000kgs of weight with the total now being 16000kgs of which a good percentage is low down.

There are 4 square metres of permanent wind outlets to the rear walls of the main stage.

The wind monitoring system we have fitted to the DS50 stage is a *Maximum Mac3 Wind Speed Alarm* (see information sheet on next page). This is fitted with visual/sound/flashing lights warning systems. Control level red (40 mph) is fitted with a internal audible alarm at 85db.

The 3 cup Hall Effect Anemometer is mounted above the outer edge of the stage roof.

The advisory notice board includes the following 3 statements.

1. If the meter gives a reading of 20mph, then a close watch should be kept on the wind speed.
2. Should the wind speed reach 30mph, then you should make ready to evacuate the stage.
3. At a speed of 40mph, you are advised to evacuate the stage and remain at a safe distance until the wind drops and the all clear is given.

The stage manager will be responsible for monitoring the wind speed.

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MAC3 Wind Speed Alarm

The MAC3 Wind Speed Alarm provides operators with a wealth of features and an unprecedented level of control. It is highly accurate, rugged and an ideal solution for managing commercial equipment by collecting and monitoring conditions and providing timely alerts to keep you abreast of wind speeds that could cause safety concerns for people and equipment.

Features

- Utilizes Maximum's rugged, reliable #400 anemometer
- Large, easy-to-read green on black LCD panel
- Weather-tight to the IP65 standard
- Can be configured for simultaneous use with dual sensors to monitor 2 separate locations
- Time delay and latching capabilities can prevent damage due to frequent on/off power cycling
- Rated for use from -40 to 158° F (-40 to 70° C)
- Operates in 12- and 24- VDC
- 2 optional relays provide on/off control for external devices
- Ships with a #400 wind speed sensor, 100' sensor cable, 14" stainless steel mast and mounting hardware

Specifications

Measurement Range	0-255 MPH in 1 MPH increments
Accuracy	±2 MPH of input and ±1 digit
Sample Rate	1.7 seconds
Relays	SPDT relays (2) Rated at 5A when normally open Rated at 3A when normally closed
Dimensions	5.08" w x 7.39" h x 2.26" d (129.0mm x 187.8mm x 57.4mm)
Operating Temperature	-40 to 158° F (-40 to 70° C)
Power	12 Volt DC and 24 Volt DC
Current Draw	120mA Max with heater off 970mA Max with heater on
Sensor	3-cup, #400 anemometer



MAC3 Wind Speed Alarm



#400 Anemometer



Power Cable



100' Sensor Cable



Rubber Sensor Boot



14" Stainless Steel Mast



Mounting Hardware



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