



Set 19 Analogue or Set 19D Digital Windspeed (multiple instrument setting)

Introduction

The Midas wind speed indicator is a precision marine instrument designed not only for sailing and racing but is also, due to the anemometer's more robust features, aptly suitable for onshore or inland installations subject to consistent and higher wind speeds. It provides an indication of apparent wind speed in either an analogue (Set 19), or a digital (Set 19D) unit. Raw data on wind speed is obtained from a remote transducer usually mounted at the head of the mast or other location where wind currents are not affected by other objects or constructions.

Midas Marine Instruments are designed and manufactured for use in yachts and pleasure launches; they are sold with a 24 month guarantee from the date of purchase.

Specification

Set 19 analogue indicator:

Range: 0-60 knots (0-11 Beaufort)

Resolution: essentially infinite

Accuracy: $< \pm 4\%$

Supply voltage: 11.5-16V DC regulated

Current drain: (Instrument) 10mA max.

(Backlighting) 50mA max.

Set 19D digital indicator:

Range: 0-99.9 knots (3 digit)

Accuracy: $< \pm 4\%$ of reading ± 0.05 knots

Supply voltage: 11.5-16V DC regulated

Current drain: (Instrument) 15mA max.

(Backlighting) 50mA max.

The performance of any instrument depends upon:

The selection of an instrument suitable for the intended use

The quality of its design and manufacture

The standard of workmanship and quality of components used in the installation

The environment into which it has been installed

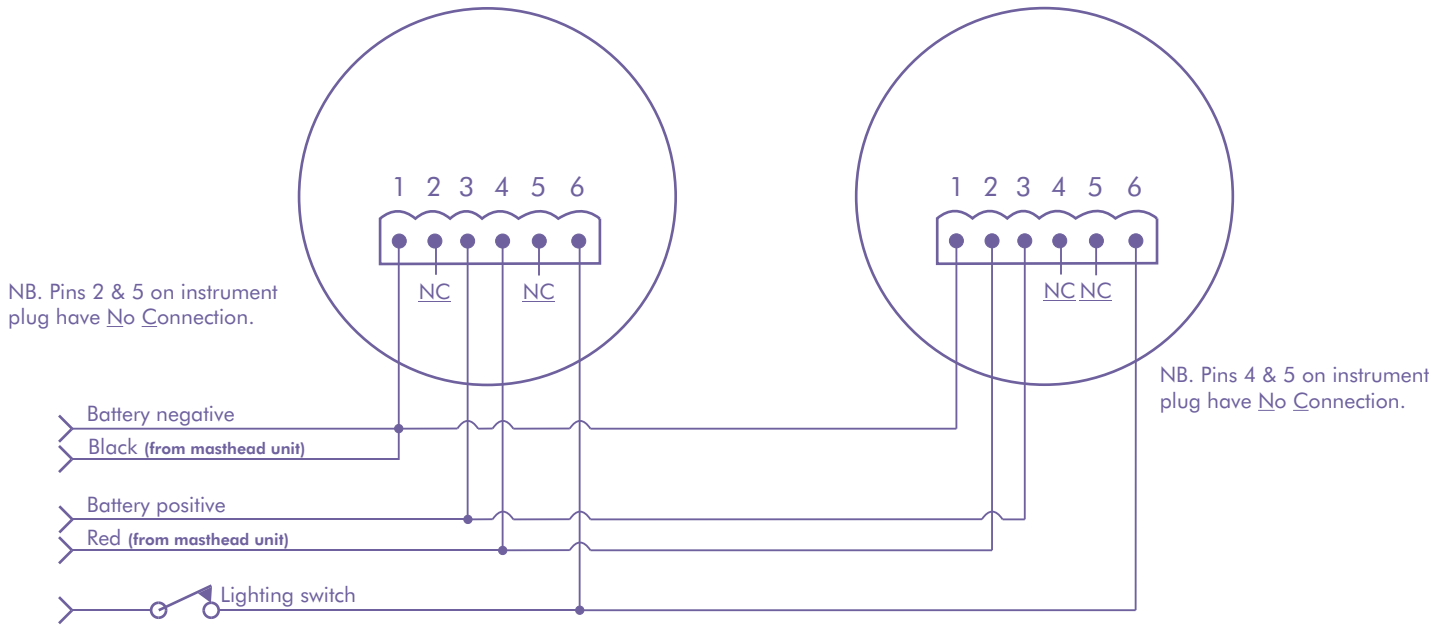
Midas instruments are not difficult to install or set up, and providing some simple rules are followed during installation, excellent performance will be obtained from the instrument.

Fitting the instrument

The instrument case can be mounted by cutting a 105mm hole in a bulkhead or console and sealing it into place with a bead of silicone rubber on the back of the front flange. The instrument may then be secured using the supplied stainless self-tapping screws or bolted if desired. Note: although all our instruments are waterproof in front, care should be exercised when selecting the location so that moisture can not enter the rear of the instrument.

Windspeed MASTER Instrument
(rear view)

Windspeed Slave Instrument
(rear view)



MIDAS Multiple Windspeed instruments interconnection wiring diagram

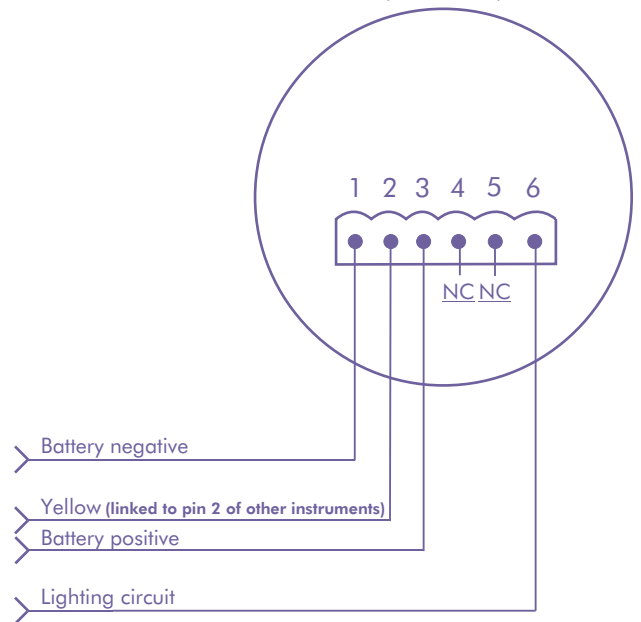
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Electrical Connections

Wire the installation in accordance with the circuit diagram. **DO NOT** make the final battery connections until all the wiring has been rechecked. The connector wires should be tinned copper about 14x0.2mm, 7x0.3mm or 0.5sq mm conductor to provide greater resistance to corrosion. Cables larger than this are not recommended as they are difficult to terminate on the plug. Note: the plug can be removed from the back of the instrument for easier termination, then refitted. The wires can be brought out the back through the knock-out in the back cover, or by drilling a hole at the desired point.

The instrument utilises LED backlighting drawing approx 40mA. The light circuit could be connected to an existing lighting circuit, the navigation lighting circuit, or the instrument power circuit (i.e. link pins 3 & 6). Lightly spray or grease all connections with a waterproof grease or petroleum jelly.

Additional Windspeed Instruments
(rear view)



MIDAS additional instruments wiring diagram

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Manufactured by:
 Marine Instruments Ltd.,
 P.O. Box 17-520, Greenlane,
 Auckland, New Zealand.
 Ph (09) 580-2240, Fax 580-2241.

Serial #