

Instruction Manual

Anemometer model MW 41



IMPORTANT USER INFORMATION

Reading this entire manual is recommended for full understanding of the use of this product.



Should you have any comment on this manual we will pleased to receive them at:

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WARRANTY AND LIABILITY

Mierij Meteo guarantees that the product delivered has been thoroughly tested to ensure that it meets its published specifications. The warranty included in the conditions of delivery is valid only if the product has been installed and used according to the instructions supplied by Mierij Meteo.

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DECLARATION OF CONFORMITY

According to EC guideline 89/336/EEC

we

Mierij Meteo BV

declare under our sole responsibility that the product

Anemometer model MW 41

to which this declaration relates is in conformity with the following standards

EN 50081 -1

EN 50082-1

EN 55022

following the provisions of the directive.

**Mierij Meteo BV Weltevreden 4c 3731 AL
de Bilt Research & Development**



Ing. A.Hagedoorn

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1. INTRODUCTION

This document describes Anemometer model MW 41. This anemometer is powered with 8 to 24 VDC and has a so called “push-pull” frequency output.

2. ANEMOMETER MODEL MW 41

2.1 CONNECTION DIAGRAM ANEMOMETER MODEL MW 41

Cable: LiYY 3 x 0,14 mm²

Colour	Signal
White	+V (8 to 24Vdc)
Brown	Ground
Green	Windspeed output frequency (source/sink)

2.2 WINDSPEED TABLE

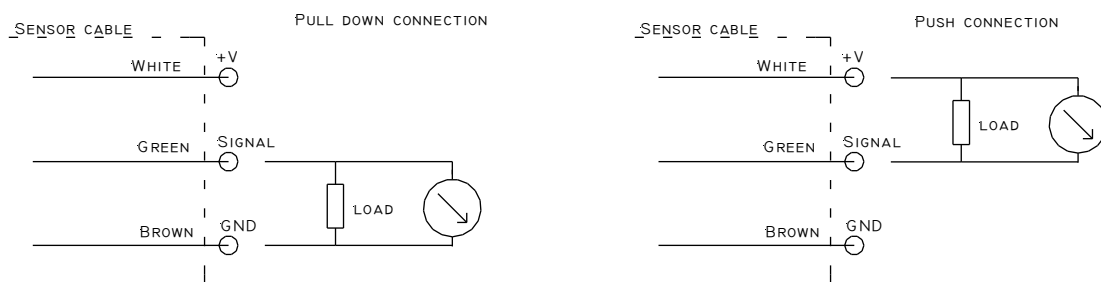
Frequency (in Hz)	Windspeed (in m/s)
0	0
45	3
90	6
135	9
180	12
225	15
270	18
315	21
360	24
405	27
450	30

2.3 INSTALLATION

Mount the anemometer vertically to a bracket and fix it with the nut on the bottom side.

2.4 DIAGRAM

MEASUREMENT CONNECTION



3. SPECIFICATIONS ANEMOMETER MODEL MW 41

Measurement principle:	Optical (photo interrupter) / 12 pulses per revolution
Measurement range:	0 - 50 m/sec
Resolution:	0,06 meter windspeed
Supply:	8 to 24 VDC
Power Consumption:	3.5 mA @ 8 VDC up to 5 mA @ 24V (source current not included)
Output signal:	Load / max 20 mA
Material:	PVC en stainless steel.
Dimensions:	85 x 120 x 120 mm
Cable length:	20 meter standard, (can be extended up to max. 100 meter.)
Positioning:	Vertical free standing.