

# Метеостанция компактная DELTA ОНМ НDMCS-200

## Технические характеристики

**Архангельск** (8182)63-90-72  
**Астана** (7172)727-132  
**Астрахань** (8512)99-46-04  
**Барнаул** (3852)73-04-60  
**Белгород** (4722)40-23-64  
**Брянск** (4832)59-03-52  
**Владивосток** (423)249-28-31  
**Волгоград** (844)278-03-48  
**Вологда** (8172)26-41-59  
**Воронеж** (473)204-51-73  
**Екатеринбург** (343)384-55-89  
**Иваново** (4932)77-34-06

**Ижевск** (3412)26-03-58  
**Иркутск** (395)279-98-46  
**Казань** (843)206-01-48  
**Калининград** (4012)72-03-81  
**Калуга** (4842)92-23-67  
**Кемерово** (3842)65-04-62  
**Киров** (8332)68-02-04  
**Краснодар** (861)203-40-90  
**Красноярск** (391)204-63-61  
**Курск** (4712)77-13-04  
**Липецк** (4742)52-20-81  
**Киргизия** (996)312-96-26-47

**Магнитогорск** (3519)55-03-13  
**Москва** (495)268-04-70  
**Мурманск** (8152)59-64-93  
**Набережные Челны** (8552)20-53-41  
**Нижний Новгород** (831)429-08-12  
**Новокузнецк** (3843)20-46-81  
**Новосибирск** (383)227-86-73  
**Омск** (3812)21-46-40  
**Орел** (4862)44-53-42  
**Оренбург** (3532)37-68-04  
**Пенза** (8412)22-31-16  
**Казахстан** (772)734-952-31

**Пермь** (342)205-81-47  
**Ростов-на-Дону** (863)308-18-15  
**Рязань** (4912)46-61-64  
**Самара** (846)206-03-16  
**Санкт-Петербург** (812)309-46-40  
**Саратов** (845)249-38-78  
**Севастополь** (8692)22-31-93  
**Симферополь** (3652)67-13-56  
**Смоленск** (4812)29-41-54  
**Сочи** (862)225-72-31  
**Ставрополь** (8652)20-65-13  
**Таджикистан** (992)427-82-92-69

**Сургут** (3462)77-98-35  
**Тверь** (4822)63-31-35  
**Томск** (3822)98-41-53  
**Тула** (4872)74-02-29  
**Тюмень** (3452)66-21-18  
**Ульяновск** (8422)24-23-59  
**Уфа** (347)229-48-12  
**Хабаровск** (4212)92-98-04  
**Челябинск** (351)202-03-61  
**Череповец** (8202)49-02-64  
**Ярославль** (4852)69-52-93

**Единый адрес для всех регионов: [dmh@nt-rt.ru](mailto:dmh@nt-rt.ru) || [www.deltaohm.nt-rt.ru](http://www.deltaohm.nt-rt.ru)**

# Meteo Compact Station

## HDMCS -200

### ○ THE FIRST INDEPENDENT ALL-IN-ONE SOLUTION

Wind Speed | Wind Direction | Temperature | Relative Humidity | Barometric Pressure | Solar Radiation

### ○ FREE CLOUD COMMUNICATION

Set up to use with the Delta OHM Cloud but also ready to be used with **practically any customized solution.**

### ○ INDEPENDENT FROM LOCAL STRUCTURE

**Self-supporting system** complete with solar panel and back up battery. Anywhere where there is GSM coverage the system will connect itself and start sending data.

### ○ ACCURATE AND RELIABLE SYSTEM

During production all sensors are **individually calibrated** in our own ISO 17025 calibration center to assure **very high accuracy.**

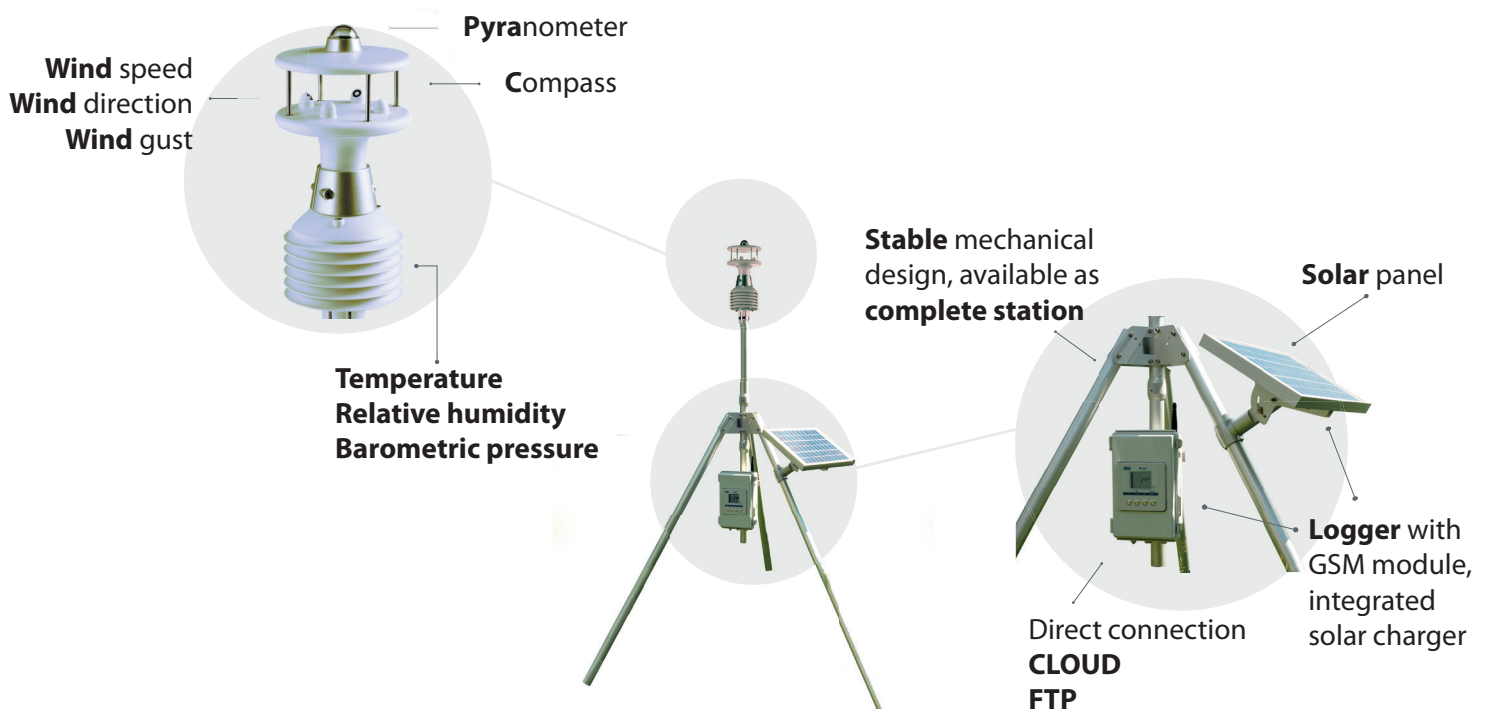
### ○ MADE TO OPERATE UNDER HEAVY CONDITIONS

**Heavy duty** mechanical design.  
Ultrasonic sensor with no moving parts that need replacement.



### Quick & easy set-up and installation

1. Unpack the boxes.
2. Set up the tripod.
3. Plug-in the cables.
4. Insert your SIM card and receive the measurement on any smart device.



## Technical Specification

### WIND SPEED

|                 |   |
|-----------------|---|
| Sensor          | Ultrasounds   |
| Measuring range | 0...50 m/s  |
| Resolution      | 0.01 m/s  |
| Accuracy        | ± 0.2 m/s or ± 2%, the greatest (0...35 m/s), ± 3% (> 35 m/s) |

### WIND DIRECTION

|                 |                        |
|-----------------|------------------------|
| Sensor          | Ultrasounds            |
| Measuring range | 0...359.9°             |
| Resolution      | 0.1°                   |
| Accuracy        | ± 2° RMSE from 1.0 m/s |

### COMPASS

|                 |          |
|-----------------|----------|
| Sensor          | Magnetic |
| Measuring range | 0...360° |
| Resolution      | 0.1°     |
| Accuracy        | ± 1°     |

### AIR TEMPERATURE

|                 |                                 |
|-----------------|---------------------------------|
| Sensor          | Pt100                           |
| Measuring range | -40...+60 °C                    |
| Resolution      | 0.1 °C                          |
| Accuracy        | ± 0.15 °C ± 0.1% of measurement |

### RELATIVE HUMIDITY

|                               |   |
|-------------------------------|---|
| Sensor                        | Capacitive  |
| Measuring range               | 0...100%RH  |
| Resolution                    | 0.1%  |
| Accuracy (@ T = 15...35 °C)   | ± 1.5%RH (0...90%RH),<br>± 2%RH (remaining range) |
| Accuracy (@ T = -40...+60 °C) | ± (1.5 + 1.5% of measurement )%RH                 |

### BAROMETRIC PRESSURE

|                 |                   |
|-----------------|-------------------|
| Sensor          | Piezoresistive    |
| Measuring range | 300...1100 hPa    |
| Resolution      | 0.1 hPa           |
| Accuracy        | ± 0.5 hPa @ 20 °C |

\* adjustable width and height

## SOLAR RADIATION

|                 |                                   |
|-----------------|-----------------------------------|
| Sensor          | Thermopile                        |
| Measuring range | 0...2000 W/m <sup>2</sup>         |
| Resolution      | 1 W/m <sup>2</sup>                |
| Accuracy        | 2 <sup>nd</sup> Class Pyranometer |

## LOGGER

|                               |  |
|-------------------------------|--|
| Power Supply                  | 20 W Solar Panel integrated charger  |
| Backup Battery                | 12 V / 3.4 Ah lead-acid rechargeable battery                                       |
| Wind speed averaging interval | Configurable from 1 s to 10 min  |
| Cable connection              | Equipped with Plug-&-Play connectors   |
| Operating temperature         | -40...+60 °C<br>Minimum temperature for the rainfall sensor 1 °C                   |
| Protection degree             | IP 65  |
| Case                          | Plastic material. Metal parts: AISI 316  |
| Measuring interval            | 1, 2, 5, 10, 15, 30 s /<br>1, 2, 5, 10, 15, 30, 60 min                             |
| Logging interval              | 1, 2, 5, 10, 15, 30 s /<br>1, 2, 5, 10, 15, 30, 60 min                             |
| Internal memory               | Circular management or stop logging if memory is full. Number of samples: >240,000 |
| Display                       | Custom LCD   |

## DIMENSIONS



|                                    |                                   |  |                                       |                                 |
|------------------------------------|-----------------------------------|--|---------------------------------------|---------------------------------|
| <b>Архангельск</b> (8182)63-90-72  | <b>Ижевск</b> (3412)26-03-58      | <b>Магнитогорск</b> (3519)55-03-13     | <b>Пермь</b> (342)205-81-47           | <b>Сургут</b> (3462)77-98-35    |
| <b>Астана</b> (7172)727-132        | <b>Иркутск</b> (395)279-98-46     | <b>Москва</b> (495)268-04-70           | <b>Ростов-на-Дону</b> (863)308-18-15  | <b>Тверь</b> (4822)63-31-35     |
| <b>Астрахань</b> (8512)99-46-04    | <b>Казань</b> (843)206-01-48      | <b>Мурманск</b> (8152)59-64-93         | <b>Рязань</b> (4912)46-61-64          | <b>Томск</b> (3822)98-41-53     |
| <b>Барнаул</b> (3852)73-04-60      | <b>Калининград</b> (4012)72-03-81 | <b>Набережные Челны</b> (8552)20-53-41 | <b>Самара</b> (846)206-03-16          | <b>Тула</b> (4872)74-02-29      |
| <b>Белгород</b> (4722)40-23-64     | <b>Калуга</b> (4842)92-23-67      | <b>Нижний Новгород</b> (831)429-08-12  | <b>Санкт-Петербург</b> (812)309-46-40 | <b>Тюмень</b> (3452)66-21-18    |
| <b>Брянск</b> (4832)59-03-52       | <b>Кемерово</b> (3842)65-04-62    | <b>Новокузнецк</b> (3843)20-46-81      | <b>Саратов</b> (845)249-38-78         | <b>Ульяновск</b> (8422)24-23-59 |
| <b>Владивосток</b> (423)249-28-31  | <b>Киров</b> (8332)68-02-04       | <b>Новосибирск</b> (383)227-86-73      | <b>Севастополь</b> (8692)22-31-93     | <b>Уфа</b> (347)229-48-12       |
| <b>Волгоград</b> (844)278-03-48    | <b>Краснодар</b> (861)203-40-90   | <b>Омск</b> (3812)21-46-40             | <b>Симферополь</b> (3652)67-13-56     | <b>Хабаровск</b> (4212)92-98-04 |
| <b>Вологда</b> (8172)26-41-59      | <b>Красноярск</b> (391)204-63-61  | <b>Орел</b> (4862)44-53-42             | <b>Смоленск</b> (4812)29-41-54        | <b>Челябинск</b> (351)202-03-61 |
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| <b>Екатеринбург</b> (343)384-55-89 | <b>Липецк</b> (4742)52-20-81      | <b>Пенза</b> (8412)22-31-16            | <b>Ставрополь</b> (8652)20-65-13      | <b>Ярославль</b> (4852)69-52-93 |
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