

Компактные регистраторы данных: температуры, влажности и точки росы DELTA OHM HD208

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 || www.deltaohm.nt-rt.ru

Compact Data Logger

T / RH / Dew Point Monitoring

HD208 series

○ KEEP TRACK OF YOUR MEASUREMENTS

Monitor & record of temperature & humidity
all along the process

○ WIDE RANGE OF MODELS FOR ANY APPLICATION

1 or 2 channel

Only temperature or combined with RH
Internal or external sensors

○ LOGGING FUNCTION EXTREMELY VERSATILE

Manual, automatic or delayed
start and stop of the logging

○ MEASURED DATA DIRECTLY AVAILABLE

PDF report with charts and CSV file
automatically generated

○ FACTORY CALIBRATED AND READY TO USE

Pre-calibrated sensors
No further calibration required

The ultimate easy to use logger series for a wide range of applications!

The **HD208** is a easy to use logger series for a wide range of applications: perfectly fit for any local measurement where it is important to record and to keep the data. Used in a diversity of segment in the industry: transport, food (HACCP), pharmaceutical warehousing, storage rooms.

Small, compact design: internal sensors for temperature or humidity and temperature combined. One or two external sensor types.

Additional the loggers can provide Dew Point calculation and even **MKT (Mean Kinetic Temperature)** specifically for food related applications. Free downloadable software for configuration and even real time monitoring and storage of measurement data in a local MySQL database. But reports can also be generated directly as PDF without further need of local software.

For FDA related measurements we provide the option to add software in accordance with **21CFR part 11 recommendations**.



Main Applications

Production facilities
Storage rooms
Food process
Cooling chains



Technical Specification

RELATIVE HUMIDITY

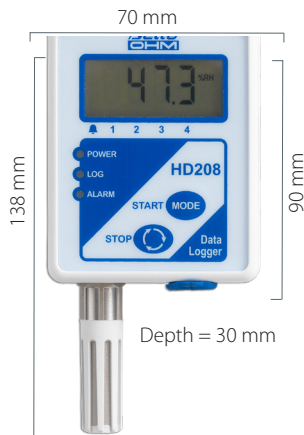
Sensor	Capacitive
Measuring range	0...100%RH
Resolution	0.1%RH
Accuracy	$\pm 1.5\%RH$ (0...85%RH) / $\pm 2.5\%RH$ (85...100%RH) @ T=15...35 °C $\pm (2 + 1.5\% \text{ measure})\%$ @ T=remaining range
Sensor operating temperature	-40...+80 °C
Response time	$T_{90} < 20$ s (air speed 2 m/s, without filter)
Temperature drift	$\pm 2\%$ over the whole operating temperature range
Stability	1% / year

TEMPERATURE

Sensor	NTC10k Ω @ 25 °C
Measuring range	-40...+105 °C*
Resolution	0.1 °C
Accuracy	± 0.3 °C in the range 0...+70 °C ± 0.4 °C outside
Long-term stability	0.1 °C / year

* In the case of internal sensor or external fixed probe, the measuring range is limited by the maximum operating temperature of the instrument.

Dimensions



External probes with cable



TP35N1... Temperature probe with NTC10K Ω sensor.

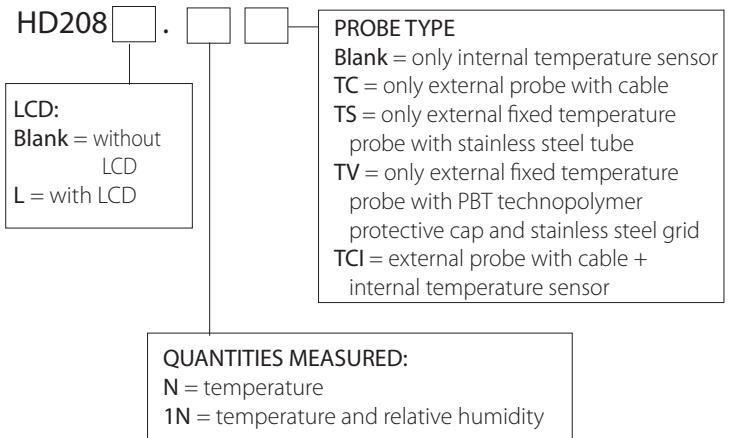
HP3517... Temperature and relative humidity combined probe.



GENERAL SPECIFICATIONS

Logging interval	1, 2, 5, 10, 15, 30 s / 1, 2, 5, 10, 15, 30, 60 min
Storable quantities	According to the model: Temperature - Mean Kinetic Temperature (MKT) - Relative Humidity - Dew Point - Battery Voltage.
Memory	Flash memory with circular management or stop logging when full.
Alarms	Two alarm thresholds (configurable) for each measured quantity
Power supply	3.6 V not rechargeable lithium-thionyl chloride internal battery (Li-SOCl ₂), size AA, 2-pole Molex 5264 connector.
Battery life	2 years typical, with logging interval 30 s
PC connection	USB port with mini-USB connector
Operating conditions	-40...+75 °C / 0...100 %RH non condensing
Material	ABS (with added UV filters)
Protection Degree	IP 64
Weight	150 g approx.
Installation	Wall mount

Ordering Codes



Accessories

HP3517...	Temperature and relative humidity combined probe. M12 4-pole connector. PBT technopolymer body. Available stem lengths: 135 mm or 335 mm. Available cable lengths: 2, 5 or 10 m.
TP35N1.xx/C	Temperature probe with NTC10K Ω sensor. AISI 316 stainless steel tube. 4-pole M12 connector. Cable length 3, 5 or 10 m.
HD35AP-CFR21	Advanced software option for FDA 21 CFR part 11 recommendations
CP23	USB connection cable
HD208.13	Aluminium flange for fixing the instrument to the wall.

Архангельск (8182)63-90-72	Ижевск (3412)26-03-58	Магнитогорск (3519)55-03-13	Пермь (342)205-81-47	Сургут (3462)77-98-35
Астана (7172)727-132	Иркутск (395)279-98-46	Москва (495)268-04-70	Ростов-на-Дону (863)308-18-15	Тверь (4822)63-31-35
Астрахань (8512)99-46-04	Казань (843)206-01-48	Мурманск (8152)59-64-93	Рязань (4912)46-61-64	Томск (3822)98-41-53
Барнаул (3852)73-04-60	Калининград (4012)72-03-81	Набережные Челны (8552)20-53-41	Самара (846)206-03-16	Тула (4872)74-02-29
Белгород (4722)40-23-64	Калуга (4842)92-23-67	Нижний Новгород (831)429-08-12	Санкт-Петербург (812)309-46-40	Тюмень (3452)66-21-18
Брянск (4832)59-03-52	Кемерово (3842)65-04-62	Новокузнецк (3843)20-46-81	Саратов (845)249-38-78	Ульяновск (8422)24-23-59
Владивосток (423)249-28-31	Киров (8332)68-02-04	Новосибирск (383)227-86-73	Севастополь (8692)22-31-93	Уфа (347)229-48-12
Волгоград (844)278-03-48	Краснодар (861)203-40-90	Омск (3812)21-46-40	Симферополь (3652)67-13-56	Хабаровск (4212)92-98-04
Вологда (8172)26-41-59	Красноярск (391)204-63-61	Орел (4862)44-53-42	Смоленск (4812)29-41-54	Челябинск (351)202-03-61
Воронеж (473)204-51-73	Курск (4712)77-13-04	Оренбург (3532)37-68-04	Сочи (862)225-72-31	Череповец (8202)49-02-64
Екатеринбург (343)384-55-89	Липецк (4742)52-20-81	Пенза (8412)22-31-16	Ставрополь (8652)20-65-13	Ярославль (4852)69-52-93
Иваново (4932)77-34-06	Киргизия (996)312-96-26-47	Казахстан (772)734-952-31	Таджикистан (992)427-82-92-69	

Единый адрес для всех регионов: dmh@nt-rt.ru || www.deltaohm.nt-rt.ru