

🖂 ul. Narciarska 2, 31-579 Kraków, Poland

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| GŁÓWNEGO URZĘDU MIAR | |
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| | 00-139 Warszawa, ul. Elektoralna 2 22/581 93 95, e-mail: physchem@gum.gov.pl |
| 5 | ADDITION AND ADDITIONAL ADDITICADOTICAD |
| Data wydania: 21 luteg | o 2005 r. Nr świadectwa: 328.3-M54-71-22/05 Strona 1 / 2 |
| PRZEDMIOT WZORCOWANIA | Termohigrometr typ THM-201 L, numer fabryczny 0412H4, produkcji firmy GENEZA. |
| GŁASZAJĄCY | GENEZA Sp. z 0.0., ul. Narciarska 2, 31-579 Kraków. |
| METODA WZORCOWANIA | Instrukcja wzorcowania termohigrometrów przy zastosowaniu komory klimatycznej (nr systemowy IW/M54/S3/01). |
| WARUNKI SRODOWISKOWE | Temperatura: (21 + 23) ° C, wilgotność: (16 + 25) %, ciśnienie: (976 + 1013) hPa. |
| DATA WYKONANIA POMIARÓW | 10, 11 i 14 lutego 2005 r. |
| POWIĄZANIE Z WZORCAMI JEDNOSTKI MIARY (spójność pomiarowa) | Wynki wzorcowania termohigrometru zostały odniesione do wzorca odniesienia jednostki wiagotności powietrza GUM poprzez zastosowanie wzorcowego higrometru punkta rosy Dew Point Control Instrument yp Dr 101 (M54-W63), wzorcowego higrometru punktu rosy Dew Point Control Instrument yp K-1806/DF4 (M54-W-62) i wzorcowego termometru kwzenowego py 511 EU/M54-W-69). |
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| WYNIKI WZORCOWANIA | Podano na stronie 2 świadectwa wraz z wartościami niepewności pomiaru. |
| NIEPEWNOŚĆ POMIARU | Niegewność pomiaru została wyznaczona zgodnie z załeceniami zawatrymi w dokumencie Ez-A-022, Wyrzanie ingewności pomiaru przy wzorowaniu", wyd. pol. z 2001 r. Podane wartości niepewności stanowią niepewność rozszerzoną przy poziomie ufności ok. 95% i wspołczymiku rozszerzenia & = 2. |
| | z up. Prezesa GUM |
| | DYREKTOR Zakłada Fuzkachemi |
| | T Stechurshe |

THE 201 LP 34.5% Microprocessor ThermoHygrometer

Description

Microprocessor Based ThermoHygrometer

The Microprocessor based ThermoHygrometer model THM-201LP is ideal for both on-site and field relative humidity and temperature readings. The humidity sensor possesses long term stability and negligible hysteresis. Also, it is insensitive to most chemical non-agresive vapours. For measurements in dust enviroment you can choose a probe with the sintered

Model THM - 201 LP

you can choose a probe with the sintered filter. The temperature channel in the THM-201 LP thermohygrometer features Pt - 100 probe for the accurate reading. This model of thermohygrometer has a large easy - to - read LCD display

allowing 0.1*C and 0.5% RH resolution. The sensitive sensor elements are formed into a single unit. This combination probe, is plug-in directly to the meter or through the cable, and measures humidity to 98% RH at temperature up to 60*C. The probe allows to use very long cable (up to 10 meters).

The THM-201 LP thermohygrometer covers a broad range of applications including laboratory and warehouse and for many every day uses in an office or factory environment.

The RS version of the thermohygrometer has on-line **output to the computer PC** through **RS-232 serial interface.** Nonvolatile memory stores setup conditions (probe calibration and RS-232) and higher accuracies, greater than typical electronic thermohygrometers are achieved through a unique linearising technique. Application of the internal microprocessor ensure a minimal measuring error and a large easy - to - read LCD display enable simply read-out of results. Displaying temperature/humidity is user's selectable by pressing the button on the left side of the housing.

The long term battery life is achieved by the automatic freezing of the readings every 2 minutes when the meter is not in use.

Technical data:

| Femperature sensor: Platinum Pt - 100 probe (4 wire) Relative humidity sensor: thin film capacitance sensor Femperature range: -25*C do +60*C Resolution of the current temperature: 0,1*C Accuracy of temperature measurements of the meter : 0,2% of the range Humidity range; 5% to 98% RH | | |
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| Resolution of the current humidity : | | |
| Accuracy of relative humidity measurement: | | |
| Humidity calibration (done by manufacturer); in the climatic chamber | | |
| Femperature probe calibration: | | |
| Temperature/humidity display: | | |
| Distance between probe and the meter : up to 10 meters long cable. | | |
| Data logging (only RS version): on-line output to the cmputer PC through RS-232 serial interface for further | | |
| analysis, storage and hard copy printouts. | | |
| Dperating temperature/humidity : | | |
| Power: | | |
| Housing: | | |
| Dimensions (without probe): | | |