



Member of GHM GROUP



THERMAL COMFORT DATA LOGGER PMV/PPD - WBGT - TU MEASUREMENT

HD32.3TC

- ✔ **Bright and clear touch display**
Calculated values for WBGT, PMV/PPD and TU directly visible
- ✔ **High memory capacity**
Suitable for long lasting measurement cycles
- ✔ **Data immediately available**
On-line in cloud application, remote accessible
- ✔ **Portable and independent**
24 hours continuous measurement without recharging
- ✔ **Fully compliant with ISO regulations**
ISO 7730 - ISO 7726 - - ISO 7243

DATA LOGGER TECHNICAL SPECIFICATIONS

HD32.3TC

Reference Rules	ISO 7726 Measurement of turbulence – ISO 7730 Measurement of PMV / PPD – ISO 7730 Measurement of WBGT – ISO 7243	Logging interval	From 1 second to 1 hour
Export Formats	CSV - PDF	Power supply	Li-Ion battery 6000 mA/h rechargeable via USB
Display	LCD 480x800 Capacitive touch screen	Autonomy	24 hours on maximum consumption
Connectivity	USB Host and Device RS485 powered Wi-Fi	Working temperature	-5 to 50°C
Storage capacity	8GB	Working relative humidity	0 to 90% RH no condensation
		Protection Degree	IP54
		Instrument uncertainty	± 1 digit @ 20°C
		Dimensions	185x90x40 mm
		Weight	500 gr

PROBES TECHNICAL SPECIFICATIONS



PROBES	TP3207.2 / TP3207*	TP3276.2 / TP3275*	HP3201.2 / HP3201*	TP3204S*	HP3217.2R / HP3217R*	AP3203.2 / AP3203*
Measured parameters	Air Temperature (T)	Globe thermometer temperature (Tg)	Natural wet bulb temperature (Tn)		Relative Humidity and Air Temperature (RH – T)	Air Speed (Va)
WBGT	✓	✓	✓	✓		
WBGT		✓	✓	✓	✓	
PMV / PPD		✓			✓	✓
TU /DR						✓
Accuracy	Class 1/3 DIN	Class 1/3 DIN	Class A	Class A	T = 1/3 DIN RH = ±2% (90 to 100% RH) @ T=15 to 35°C (±1.5 + 1.5% of the measurement) % @ T=remaining range	±(0.05 + 0.5% of the measurement) m/s
Measuring range	-40 to 100 °C	-30 to 120 °C	4 to 80 °C	4 to 80 °C	T= -40 to 100 °C UR= 0 to 100%	0.05 to 5 m/s 0 to 80°C
Resolution	0.1 °C	0.1 °C	0.1 °C	0.1 °C	0.1 RH	0.01 m/s
Temperature drift @20°C	0.003% / °C	0.003% / °C	0.003% / °C	0.003% / °C	0.02% RH/°C	0.06% /°C
Drift after 1 year	0.1 °C / year	0.1 °C / year	0.1 °C / year	0.1 °C / year	0.1% RH/ year	0.12 °C / year
Response time T ₉₅	15 minutes	15 minutes	15 minutes	15 minutes	15 minutes	
Tank capacity and autonomy			15 cc 96 hours with RH=50%, t=23°C	500 cc 15 days @ t= 40 °C		

* Probes with cable length 2 m.



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