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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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In order to ensure the quality of our instruments, we may have to develop our products. We may make changes or corrections at any time. Check on our website to make sure your documentation is up to date.

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