


**INFOSCOPE HELLAS**  
Cloud SaaS | Automation | Web services  
82 Vas. Olgas Ave., GR 54643  
Thessaloniki, Greece  
Τηλ: +30 231500 5906  
Email: info@infoscope.gr



## Meton Sense

	Model	Meton Sense
	Description	Intelligent IoT gateway / datalogger
	Unique characteristics	<ul style="list-style-type: none"> <li>Count of I/Os can be extended via the use RS485 extensions</li> <li>Ceaseless data logging and instant alarming capability on event of interruption of the mains supply thanks to its embedded rechargeable lithium battery (LiPo)</li> <li>Universal inputs (UI) for processing of analog (AI) and digital signals (DI)</li> <li>High resolution in analogue inputs readings thanks to its 12 bit A/D converter</li> </ul>
	CPU	1GHz, dual core ARM, 32bit of Texas Instrument (USA), RAM at 512MB and embedded flash at 4GB (eMMC). Runs on Linux Debian
 <p>Technical Specifications</p>	Integrated I/O	<p>8x universal inputs (UI) as</p> <ul style="list-style-type: none"> <li>Analogue inputs (AI) for temperature sensors NTC/PTC or digital inputs (DI) for dry contacts</li> <li>Analogue inputs (AI) for temperature transmitters MB1-TS(L/S) or digital inputs (DI) for dry contacts*</li> <li>Analogue inputs (AI) for generic sensors 0/4...20mA** or digital inputs (DI) for dry contacts*</li> <li>Analogue inputs (AI) for generic sensors 0/2...10V* or digital inputs (DI) for dry contacts</li> </ul> <p>* Needs external resistor mounted in series ** Needs external power supply (12 or 24VDC depending on the sensor's requirements)</p> <p>All UI are protected from short circuits and electrostatic discharge up to 16kV (ESD rating: class 3B)</p> <p>Upon request: a) 2x digital outputs (DO) for relay actuation (occupies 2x UI) b) 1-wire interface (occupies 2x UI) c) customized I/O configuration (as combination of NTC / PTC / MB1-TS(L/S) / 4...20mA / 0...10V / DI / DO / 1-wire)</p>
	Measuring range of AI	<p>-50...+110°C with resolution &lt; 0.2°C for sensors NTC, 10k -50...+60°C with resolution &lt; 0.08°C for sensors MB1-TS(L/S) -55...+125°C with resolution &lt; 0.06°C for sensors 1-wire 0...21mA with resolution &lt; 0.03mA for sensors 4...20mA 0...11V with resolution &lt; 0.03V for sensors 0...10V</p>
	Communication interfaces	<p>1x RS485 1x Ethernet (base 10/100Mbps)</p> <p>Upon request: a) additional RS485 interface, b) with RS232 interface (occupies 2x UI)</p> <p>The fieldbus interfaces (RS485), are protected from voltage surges, reverse polarity and electrostatic discharge acc. to IEC 61000-4-2 (ESD), IEC 61000-4-4 (EFT) and IEC 61000-4-5 (Surge)</p>
	Supported communication protocols	<p>Modbus RTU (master), Modbus ASCII (master) and Modbus TCP (master/slave)</p> <p>Upon request: a) M-Bus b) wM-Bus c) simultaneous operation as Modbus RTU slave</p>

Real time clock	<i>Embedded RTC module with lithium battery (Li2MnO2) for real time clock support up to 4 years from the mains power supply interruption. Time synchronization over the network (NTP) is also supported</i>
Power supply	<i>5VDC on DC jack connector, type A acc. to IEC 60130-10</i>
Consumption	<i>Typical: 2.3W, Max: 6W</i>
Backup power supply (UPS)	<i>Embedded rechargeable lithium battery (LiPo) for UPS time up to 4 hours from the mains power supply interruption. Ensures ceaseless data logging for the embedded I/O types NTC/PTC/DI/MB1-TS(L/S) and instant notifications on power supply changes</i>
Temperature range	<i>-20...+70oC Upon request: -40...+85°C</i>
Ingress protection	<i>IP40 acc. To IEC 60529</i>
Weight	<i>175g</i>
Dimensions	<i>73x100x35 mm</i>
Mounting	<i>Desktop mount Upon request: with adapter for mounting on the DIN rail</i>
Accessories	<i>Included: a) switching power supply*, 230VAC / 5VDC, 2A, b) Patch cable, UTP Cat5e, RJ45, 2m  *Alternatively and upon request: with DIN rail switching power supply, compact type (length 1x DIN module), with input/output isolation</i>