LogPRO® HydroMET
IoT Edge Gateway & Data-Logger

m2mLOGGER®
remote monitoring eco-system

AUTOMATIC WEATHER STATION
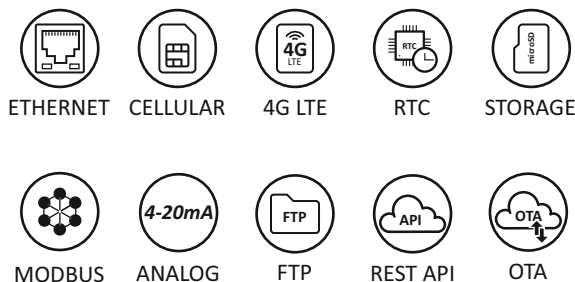Automatic weather monitoring for extreme temperature range

HYDROLOGY
Water levels, pressure, temperature, flow etc

AIRPORT WEATHER OBSERVATION
Airport and runway weather observations, visibility monitoring

INDUSTRIAL & SCIENTIFIC
Sensor with RS485 MODBUS, 4-20mA, mV, V, Pulse outputs

ETHERNET	CELLULAR	4G LTE	RTC	STORAGE

MODBUS	ANALOG	FTP	REST API	OTA
	4-20mA			

Accessories

TRIPOD WITH IP-65 ENCLOSURE & SOLAR CHARGE CONTROLLER
Outdoor weather proof enclosure for housing data-logger and power supply with tripod & solar-charge controller

Technical Specifications

GENERAL

Connectivity	Ethernet & GSM/GPRS (4G) Quad Band
	LTE-FDD, LTE-TDD, CDMA, GSM
GPS	Inbuilt GPS with GPRS modem (Optional)
Logging	1 min - 24 hours / reading
Transmission	Real-time
Storage	256MB (Industrial microSD)
Interface(s)	2 x EIA RS485, 1 x RS232, 1 x SDI-12
	08 x 4-20mA (Single Ended ±0.1% of FS)
	08 x 0-5V ((Single Ended ±0.1% of FS)
	04 x Digital Inputs (0-5V, 02 x Pulse Inputs)
	04 x Digital Outputs (Open Collector, 125mA/ch)
Switched Power	04 (100mA/channel, V: Power Input - 0.7V)
USB Host	1 (USB 2.0)
SIM	2 x 3FF (Micro SIM) (Optional)
Voltage	9-24 VDC ± 10% (Nominal 12VDC)
Power	5W (peak)
Protection	Surge protection on sensor inputs, Over voltage and reverse polarity protection on Power Input
Clock	Internal (Stability 1ppm/yr) with 1yr backup
Configuration	HMI, WebUI (Local LAN), Cloud, USB

DISPLAY & KEYPAD

Display Type	4x16 Character LCD Display
Keypad	4 x Keys (Up, Down Enter, Back)

ENVIRONMENTAL

Operating Temperature	-20 to 70 °C
Humidity	5 to 95% RH (non-condensing)

PHYSICAL

Dimensions	215 x 110 x 50 mm
Mounting	Panel / Wall Mount
Weight	605 gms approx.
Color (RAL)	Black (9005)
Material	AL-5052

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M2MLogger
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