



ASE 801

TECHNICAL SPECIFICATION

Power supply	12 Vdc, optional 110/220 Vac or solar panel
Current supply	30 µA standby mode, 40 ÷ 110 mA operating mode depending on the settings (60 mA is the average current supply on standard mode, 30 mA on low power or ultra low power mode)
Operating temperature	- 20 ÷ + 70 °C
Protection	External box IP67
Dimensions	159 x 110 x 54 mm
Weight	about 500 g
Local digital inputs	2 channels, trigger event / impulse counter / frequency input
Local analog inputs	2 channels, 4 ÷ 20 mA / 0 ÷ 3 Vdc / 0 ÷ 10 Vdc
Local digital outputs	2 alarms, contacts relay 24 Vac/Vdc 3 A – 2 switches static 12 V 0.3 A
Communication ports	1 ethernet / 2 RS485 / 2 RS232 / 1 Dust Network (external radio module)
User interface	Display LCD 128 x 64, Keyboard 12 touch sense
Internal clock	3 V lithium battery
Memory	SD card (4 Gb) and USB drive 2 to 64 Gb (4 Gb standard)
Data acquisition method	Local via SD Card or USB port (backup) Remotely (optional) via FTP server or client on LAN or GPRS/UMTS Remotely (optional) via radio
Types of measuring (MUMS)	Gravity, magnetic field, piezometric pressure, barometric pressure, temperature, current 4 ÷ 20 mA, voltage 0 ÷ 10 V
Number of nodes that can be read (MUMS)	2040
Measurement resolution (MUMS)	16 bit for piezometric pressure, current, voltage, electrolytic cell and high resolution temperature 14 bit for gravity 12 bit for magnetic field 10 bit for barometric pressure
Sampling period	1 ÷ 59 minutes / 1 ÷ 23 hours / 1 ÷ 10 days
Number of storage acquisition (MUMS)	More than 2,000,000 on maximum configuration
Read/write data frequency (MUMS)	1 MHz
Supply voltage (MUMS)	10 ÷ 15 V
Type of communication (MUMS)	485

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MUMS is a patent system

