



CONTROLLER/ DATA LOGGER

AIM-8



MAIN FEATURES

- ✓ Can be used as stand-alone or expansion module;
- ✓ Up to 8 Analog INPUT (resistance, voltage or current);
- ✓ Independent data log (up to 8MB) with real time stamp;
- ✓ Remote configuration and upgrading possibilities over Ethernet;
- ✓ Popular interfaces: Ethernet, USB, RS232, RS485, Analog IN;
- ✓ Galvanically isolated Analog INPUTS and interfaces;

OVERVIEW

AIM-8 controller is created for measuring, logging and analyzing of analog signals in a real time. Controller can be used as standalone device or as extension module (up to 8 Analog channels) for other controllers, like MPC-374, MPC-330 and etc.. Using Ethernet, RS232 or RS485, controller sends saved data and reports to remote users.

Controller supports basic interfaces (Analog inputs, RS232, RS485, Ethernet and USB) and wide range of protocols (and can be extended by our programmers, if you need some special). For data exchange over Ethernet and/or any Serial interfaces, controller uses Modbus TCP/IP, Modbus RTU, IEC60870-5-104:2000, SNTP and other protocols.

Our clients – GAS, Heat, Water suppliers, Industry companies in EU, Ukraine, Central Asia.

BENEFIT TO THE CLIENT

- ✓ **Flexibility**, because you can customize hardware and software settings;
- ✓ Increase **efficiency**, because the data are sent to a central computer continuously. If connection is lost, data will be safe kept in controllers memory, until connection will be reestablished;
- ✓ Increases **security**, because the relevant information is rapidly shorten response time;
- ✓ **Simplicity**, because of intuitive control and optimally assembled LED's it is easy to monitor and maintain equipment;
- ✓ **A good partner**, because we not only will help you customize and make equipment, but also flexibly adapt controller, if your demands will change.

Overall specification

CPU: ARM7
Flash: archive storage of 1-8 MB (2 MB by default), battery backup, data valid up to 5 years

Interfaces

RS232: up to 15m (50ft), speed up to 19,2 Kbits/s
RS485: up to 1.2 km (0.75 mi), max 32 transivers, up to 19.2 Kbits/s
USB: type B, ver. 2.0,
Ethernet: twisted pair Ethernet 10/100 Mb, up to 100m (328ft)
Analog In: 8, resistance, voltage or current Analog INPUTS

LED indication

Power
 Serial ports read/write for each port
 Ethernet status

Protocols

Modbus RTU, Modbus TCP/IP, IP, ICMP, UDP, TCP, DHCP, PPP, ARP, IEC60870-5-104:2000

General

Power supply: 9 – 36 VDC / 10VA
Over-voltage protection: >1000V
Power consumption: <10VA

Manufacturer:

Company "VALSENA"
 Savanorių 271 – 412, Kaunas LT 50131
 Lithuania
 Phone: +370 37 310603
 Fax: +370 37 310648
 E-mail: valsena@valsena.lt

Physical characteristics

Dimensions: 120x101x35 mm
Weight: 170 g
Case fixing type: DIN32
Safety class: IP20

Climate conditions

Operating temperature: -25 .. +60°C (-13..140°F)
Storage temperature: -40 .. +60°C (-40..140°F)
Humidity range: 5 – 95%, non-condensing

Regulatory approvals

LST EN 55022:2000+A1+AC:2002+A2:2003 LST EN 61000-4-4:2005
 LST EN 55024:2000+A1:2003+A2:2003 LST EN 61000-4-5:2002+A1:2003
 LST EN 61000-4-2+A1+A2:2002 LST EN 61000-4-6:2002+A1:2003
 LST EN 61000-4-3+A1:2004

Programming and updating

Remotely: Ethernet
Locally: USB, RS232 or RS485

Other features

Real time clock

Warranty

Warranty period: 2 years

Distributor:

