

AMTECH communication box

EN

SNMP

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SNMP

The SNMP protocol (version 1) contains objects with individual values. For a detailed description of the objects see below. The MIB table, you can import into your SNMP manager, can be downloaded from papouch.com.

The screenshot shows the 'Agent Snapshot - 192.168.1.67' window. The 'MIB Tree' on the left shows a hierarchy: enterprises > papouchProjekt > papago_temp > version > deviceVar > deviceName > deviceName.0 > psAlarmString > psAlarmString.0 > tableChannel > channelTable > channelEntry > inChType > inChType.1 through inChType.6 > inChStatus > inChStatus.1 through inChStatus.6 > inChValue > inChValue.1 through inChValue.6 > inChUnits > inChUnits.1 through inChUnits.6 > channelEntry.5 > channelEntry.5.1.

Object Name	Syntax	Value
deviceName.0	DisplayString	JV_TEST
psAlarmString.0	DisplayString	(zero-length)
inChType.1	INTEGER	1
inChType.2	INTEGER	0
inChType.3	INTEGER	0
inChType.4	INTEGER	1
inChType.5	INTEGER	2
inChType.6	INTEGER	3
inChStatus.1	INTEGER	0
inChStatus.2	INTEGER	4
inChStatus.3	INTEGER	4
inChStatus.4	INTEGER	0
inChStatus.5	INTEGER	0
inChStatus.6	INTEGER	0
inChValue.1	INTEGER	788
inChValue.2	INTEGER	0
inChValue.3	INTEGER	0
inChValue.4	INTEGER	748
inChValue.5	INTEGER	367
inChValue.6	INTEGER	465
inChUnits.1	INTEGER	1
inChUnits.2	INTEGER	0
inChUnits.3	INTEGER	1
inChUnits.4	INTEGER	1
inChUnits.5	INTEGER	0
inChUnits.6	INTEGER	1
channelEntry.5.1	ChannelEntry	null

example from Papago 2TH ETH

Objects – variables

Type

Name: inChType

Object ID: 1.3.6.1.4.1.18248.31.1.2.1.1.1.1 až 6 1

Description: Type of this value. It can have one of the following values:

- 0 Not used.
- 1 Temperature.
- 2 Humidity.
- 3 Dew point.

Status

Name: inChStatus

Object ID: 1.3.6.1.4.1.18248.31.1.2.1.1.2.1 to 6 ¹

Description: Status of this value. It describes the current status of the measured value. It can have one of the following values:

- 0 Value is valid and within the limits.
- 1 Value has not yet been measured.
- 2 Value is valid and exceeds the upper limit.
- 3 Value is valid and exceeds the lower limit.
- 4 Value is invalid – measurement error.

Measured value

Name: inChValue

Object ID: 1.3.6.1.4.1.18248.31.1.2.1.1.3.1 to 6 ¹

Description: Measured value as an integer. To obtain the real value, divide by ten.

Unit

Name: inChUnits

Object ID: 1.3.6.1.4.1.18248.31.1.2.1.1.4.1 to 6 ¹

Description: Unit of the value. May contain one of the following values:

- 0 degrees Celsius.
- 1 degrees Fahrenheit.
- 2 degrees Kelvin.
- 3 percentage (humidity)

SNMP objects – general

The following two objects relate to the entire device.

Device name

Name: deviceName

Object ID: 1.3.6.1.4.1.18248.31.1.1.1.0

Description: User-defined device name.

Alarm text

***Name:* psAlarmString**

Object ID: 1.3.6.1.4.1.18248.31.1.1.2.0

Description: Text of the alarm message sent when a threshold is exceeded.

Traps

Trap 1 – Value is outside the limits

The trap contains the measured value and the limit that was exceeded.

The trap is only sent when one of the limits has been exceeded. The trap can only be delivered to a properly configured IP address of a PC with the SNMP manager.

Trap 2 – Current measured values

The trap contains all current values as well as the name of the device set by the user.

The trap is sent only if a non-zero frequency of sending has been set.

¹ The ID of the objects shows the values from sensors A and B arranged one after another. First A, then B. The values are arranged in the order of temperature, humidity, dew point, i.e. there are 2 or 6 objects.