

TERA Radon Program

IP Radon Probe TSRE 1  
HTTP/1.1 access over methods GET and POST



v.1 – 2017

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## 1 Introduction

This document describes technical specifications of HTTP/1.1 access over methods GET and POST.

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## 2 Description

IP probe also suitable for easy software integration to various and large network systems of third parties (smart house, industrial systems, etc.) due to standard communication protocol HTTP/1.1 and methods GET, POST which allow access to current measuring data in probe. In case of HTTP method GET functions and arguments are transferred by standard CGI (Common Gateway Interface). In case of HTTP method POST arguments are possible to transfer by "multipart/formdata" or "application/x-www-form-urlencoded".

## 3 Types of request and answer

**Location** – Returns text chain with location of IP radon probe with *ipaddress*.

Q: [http://ipaddress/?@/unit=user&\\$=Value&name=location](http://ipaddress/?@/unit=user&$=Value&name=location)

A: Living room

**Name** – Returns text chain with product name and serial number of IP radon probe with *ipaddress*.

Q: [http://ipaddress/?@/unit=user&\\$=Value&name=name](http://ipaddress/?@/unit=user&$=Value&name=name)

A: TSRE1/16019

**Short-term radon concentration** – Returns current value of radon concentration (1-hour moving average) in Bq/m<sup>3</sup> measured by IP radon probe with *ipaddress*. This value is updated every 4 minutes in IP radon probe.

Q: [http://ipaddress/?@/unit=user&\\$=Value&name=concentration](http://ipaddress/?@/unit=user&$=Value&name=concentration)

A: 152

**Temperature** – Returns current value of temperature (in measuring chamber) in °C measured by IP radon probe with *ipaddress*.

Q: [http://ipaddress/?@/unit=user&\\$=Value&name=temperature](http://ipaddress/?@/unit=user&$=Value&name=temperature)

A: 23

**Relative humidity** – Returns current value of relative humidity (in measuring chamber) in % measured by IP radon probe with *ipaddress*.

Q: [http://ipaddress/?@/unit=user&\\$=Value&name=humidity](http://ipaddress/?@/unit=user&$=Value&name=humidity)

A: 31

**Long-term radon concentration** – Returns current value of radon concentration (24-hour moving average) in Bq/m3 measured in IP radon probe with *ipaddress*. This value is updated every 4 minutes in IP radon probe.

Q: [http://ipaddress/?@/unit=user&\\$=Value&name=concentrationDay](http://ipaddress/?@/unit=user&$=Value&name=concentrationDay)

A: 83

#### 4 Revision History

Revision	Date	Comments
Rev.1:	31.1.2017	Initial release