



GageEye Rest API Connectivity Helper

Important: RestAPI Communication option is available if only GageEye Communication license exist

- Information

IP address : 46.110.119.233
Port : 51001
API key : StandardUser (*case sensitive*)

- Accessibility test address

<http://46.110.119.233:51001>

Return : "GageEye Remote Access API working"

- Available path sample: <http://46.110.119.233:51001/GageEye/cmd/Start>

- Available paths:

- **Start reading with current settings**

Path : /GageEye/cmd/Start
Method : GET
Parameters : None
Return : "Running" / "Already running"

- **Stop reading**

Path : /GageEye/cmd/Start
Method : GET
Parameters : None
Return : "Stopped" / "Already stopped"

- **Get current GageEye ID**

Path : /GageEye/settings/ReadGageEyeID
Method : GET
Parameters : None
Return : Currently selected GageEye ID

- **Set current GageEye ID**

Path : /GageEye/settings/ChangeGageEyeID
Method : PUT
Parameters : New GageEye ID (If physically available)
Return : "Ready"



➤ **Set current communication settings**

Path : /GageEye/settings/SetCommSettings
Method : PUT
Parameters : n = What I see is what you get
 s = Convert to Standard Unit
 e = Convert to Engineering Format
Return : "Ready"

➤ **Override current communication settings**

You will receive the current value converted to the unit level

Path : /GageEye/settings/SetCommSettings
Method : PUT
Parameters : p=Pico / n=Nano / u=Micro / m=Milli (case sensitive)
 K=Kilo / M=Mega / G=Giga / Space=Reset (case sensitive)
Return : "Ready"

➤ **Read current value**

Path : /GageEye/data/Current
Method : GET
Parameters : None
Return : Actual value converted via the settings

➤ **Start uncertainty calculation** *(If GageEye Uncertainty Calculation license exist)*

Path : /GageEye/cmd/StartUncertaintyCalc
Method : GET
Parameters : None
Return : "InProgress" / "Already running"

➤ **Stop uncertainty calculation** *(If GageEye Uncertainty Calculation license exist)*

Path : /GageEye/cmd/StopUncertaintyCalc
Method : GET
Parameters : None
Return : "Calculation Stopped" / "Already stopped"



➤ **Get current Uncertainty calculation settings** *(If GageEye Uncertainty Calculation license exist)*

Path : /GageEye/settings/ReadUncertaintySettings
Method : GET
Parameters : None
Return : {
 "UNS_NumberOfSamples": xx,
 "UNS_ScopeUncertainty": xxx.xxx,
 "UNS_Resolution": xxx.xxx,
 "UNS_Kfactor": x (1=%66, 2=%95, 3=%99)
}

➤ **Set Uncertainty calculation settings** *(If GageEye Uncertainty Calculation license exist)*

Path : /GageEye/settings/ChangeUncertaintySettings
Method : PUT
Parameters : {
 "UNS_NumberOfSamples": xx,
 "UNS_ScopeUncertainty": xxx.xxx,
 "UNS_Resolution": xxx.xxx,
 "UNS_Kfactor": x (1=%66, 2=%95, 3=%99)
}
Return : "Ready"

➤ **Get current Uncertainty calculation result** *(If GageEye Uncertainty Calculation license exist)*

Path : /GageEye/data/Uncertainty
Method : GET
Parameters : None
Return : {
 "UND_NumberOfValues": 0,
 "UND_MaxValue": 0,
 "UND_MinValue": 0,
 "UND_Average": 0,
 "UND_StdDeviation": 0,
 "UND_Uncertainty": 0
}



➤ **Set Uncertainty calculation settings and Get results** *(If GageEye Uncertainty Calculation license exist)*

Path : /GageEye/cmd/AutoUncertaintyCalc

Method : GET

Parameters : {

```
"UNS_NumberOfSamples": xx,  
"UNS_ScopeUncertainty": xxx.xxx,  
"UNS_Resolution": xxx.xxx,  
"UNS_Kfactor": x (1=%66, 2=%95, 3=%99)  
}
```

Return : {

```
"UND_NumberOfValues": 0,  
"UND_MaxValue": 0,  
"UND_MinValue": 0,  
"UND_Average": 0,  
"UND_StdDeviation": 0,  
"UND_Uncertainty": 0  
}
```