
Keysight B2980B Femto / Picoammeter and Electrometer Meters

Firmware Binary Hash Value Check Instruction

This is an Instruction Sheet for checking B2980B Firmware Binary Hash Value. More details about this product can be obtained at : [B2980B Series Femto/Picoammeter and Electrometer Meters | Keysight](#)

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Procedure to confirm the binary file's hash values.

Procedure for Microsoft Windows users:

1. Open Command Prompt.
2. Type the following and press enter for checking MD5 hash value.

```
certutil -hashfile <file path> MD5
```

To get the SHA1 or SHA256 hash values, change "MD5" to "SHA1" or "SHA256" in the above.

Example Windows Command Prompt:

```
C:\Users\user>certutil -hashfile samplefile MD5
```

Example hash values

MD5 example:

```
132d099fb93c3588105a7de844e4e904
```

CertUtil: -hashfile command completed successfully.

SHA1 example:

```
b51a046f106ce9484884312ee4ddbcb859cb2d8e
```

CertUtil: -hashfile command completed successfully.

SHA256 example:

```
6be240da16fc2576c35f3995e47234612a5e5b15fdcda0768962c3c45c4046c7
```

CertUtil: -hashfile command completed successfully.

Procedure for Linux users:

1. Open terminal
2. Type the following and press enter

```
md5sum <file path>
```

3. Type the following and press enter for checking MD5 hash value.

```
certutil -hashfile <file path> MD5
```

To get SHA1 or SHA256 hash values, change "md5sum" to "sha1sum" or "sha256sum" in the above command.

Linux Terminal Sample:

MD5 example:

```
sample@samplelinux:~$ md5sum samplefile
```

```
132d099fb93c3588105a7de844e4e904 samplefile
```

SHA1 example:

```
sample@samplelinux:~$ sha1sum samplefile  
b51a046f106ce9484884312ee4ddbcc859cb2d8e samplefile
```

SHA256 example:

```
sample@samplelinux:~$ sha256sum samplefile  
6be240da16fc2576c35f3995e47234612a5e5b15fdcda0768962c3c45c4046c7  
samplefile
```

End of document.