### 3.9.10    :DISPlay:WHOLd

**Syntax**

`:DISPlay:WHOLd` <*bool*>

`:DISPlay:WHOLd?`

**Description**

Sets to enable or disable the waveform freezing function; queries whether to enable or disable the waveform freezing function.

**Parameter**

| Name | Type | Range | Default |
|------|------|-------|---------|
| <bool> | Bool | {{1|ON}|{0|OFF}} | 0|OFF |

**Remarks**

N/A

**Return Format**

The query returns 1 or 0.

**Example**

```
:DISPlay:WHOLd ON      /*Enables the Waveform Freeze.*/
:DISPlay:WHOLd?        /*The query returns 1.*/
```

## 3.10    :DVM Commands

**:DVM** commands are used to set or query the DVM parameters.

The built-in DVM of this oscilloscope provides 4-digit voltage measurements on any analog channel. DVM measurements are asynchronous from the oscilloscope's acquisition system and are always acquiring.

### 3.10.1    :DVM:CURRent?

**Syntax**

`:DVM:CURRent?`

**Description**

Queries the current voltage value under test.

**Parameter**

N/A

EN

**Remarks**

N/A

**Return Format**

N/A

**Example**

```
N/A
```

## 3.10.2    :DVM:ENABle

**Syntax**

**:DVM:ENABle** <*bool*>

**:DVM:ENABle?**

**Description**

Enables or disables the digital voltmeter; or queries the on/off status of the digital voltmeter.

**Parameter**

| Name | Type | Range | Default |
|------|------|-------|---------|
| <bool> | Bool | {{1|ON}|{0|OFF}} | 0|OFF |

**Remarks**

N/A

**Return Format**

The query returns 1 or 0.

**Example**

```
:DVM:ENABle ON     /*Enables the digital voltmeter.*/
:DVM:ENABle?       /*The query returns 1.*/
```

## 3.10.3    :DVM:SOURce

**Syntax**

**:DVM:SOURce** <*source*>

**:DVM:SOURce?**

**Description**

Sets or queries the source of the digital voltmeter.

**Parameter**

| Name | Type | Range | Default |
|------|------|-------|---------|
| <source> | Discrete | {CHANnel1|CHANnel2|CHANnel3|CHANnel4} | CHANnel1 |

**Remarks**

N/A

**Return Format**

The query returns CHAN1, CHAN2, CHAN3, or CHAN4.

**Example**

```
:DVM:SOURce CHANnel1    /*Sets the source of DVM to CHANnel1.*/
:DVM:SOURce?            /*The query returns CHAN1.*/
```

## 3.10.4 :DVM:MODE

**Syntax**

:**DVM:MODE** <*mode*>

:**DVM:MODE?**

**Description**

Sets or queries the mode of digital voltmeter.

**Parameter**

| Name | Type | Range | Default |
|------|------|-------|---------|
| <mode> | Discrete | {ACRMs|DC|DCRMs} | ACRMs |

**Remarks**

- **ACRMs:** displays the root-mean-square value of the acquired data, with the DC

  component removed.

- **DC:** displays the root- average-square value of the acquired data.

- **DCRMs:** displays the root-mean-square value of the acquired data.

**Return Format**

The query returns ACRM, DC, or DCRM.

**Example**

```
:DVM:MODE DC      /*Sets the mode of the digital voltmeter to DC.*/
:DVM:MODE?        /*The query returns DC.*/
```