

**OPOS 1.6 Add-On**  
**ScaleTransaction Module**

**Application Programmer's Guide**

Release 1.6 April, 2004

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Windows 98SE, Windows NT, Windows 2000, Windows XP  
or other OLE compliant 32-bit operating system

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## Interface description of ScaleTransaction Module

### Properties

	<i>Type</i>	<i>Access</i>	<i>Initialized After</i>
<b>ControlObjectDescription</b>	String	R	--
<b>ControlObjectVersion</b>	Long	R	--
<b>CustomerDisplayLayout</b>	String	R/W	Open
<b>DecimalSign</b>	Boolean	R/W	Open
<b>MaxDisplayTextChars</b>	Long	R	Open
<b>MaximumWeight</b>	Long	R	Open
<b>OperatorDisplayLayout</b>	String	R/W	Open
<b>PrintedJournalLine</b>	String	R	Open
<b>PrintedReceiptLine</b>	String	R	Open
<b>PrinterJournalLayout</b>	String	R/W	Open
<b>PrinterReceiptLayout</b>	String	R/W	Open
<b>ResultCode</b>	Long	R	--
<b>ResultCodeExtended</b>	Long	R	Open
<b>SalesPrice</b>	Currency	R	Open
<b>ScaleDisplayText</b>	String	R/W	Open
<b>StartingLineCustomerDisplay</b>	Long	R/W	Open
<b>StartingLineOperatorDisplay</b>	Long	R/W	Open
<b>TareWeight</b>	Long	R/W	Open
<b>UnitPrice</b>	Currency	R/W	Open
<b>Weight</b>	Long	R	Open
<b>WeightUnit</b>	Long	R	Open

### Methods

	<i>May Use After</i>
<b>Open</b>	--
<b>Close</b>	Open
<b>DisplayArticle</b>	Open; <i>Note 1</i>
<b>ResetDisplay</b>	Open; <i>Note 1</i>
<b>ScaleTransaction</b>	Open
<b>ShowId</b>	Open

*Note 1:* This method is only supported if the scale internal display can be used as a customer display.

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## General Information

The ScaleTransaction Control's OLE programmatic ID is "OPOS.ScaleTransaction".

This module uses the three OPOS device classes Scale, POSPrinter and LineDisplay. It implements a subset of the OPOS common properties and methods.

## Capabilities

The ScaleTransaction module has the following capability:

- Provides item weight to the application. The measure of weight may be in grams, kilograms, ounces, or pounds, depending upon the scale device.
- Prints weight, unit price and calculated sales price at the printer corresponding to the appropriate layout.
- Displays weight, unit price and calculated sales price at the operator display corresponding to the appropriate layout.
- Displays weight, unit price and calculated sales price at the customer display corresponding to the appropriate layout.
- Provides the printed receipt and journal lines to the application.

The connected scale has the following capabilities:

- Includes an integrated display with the current weight, or with the current weight plus application specified text.
- Performs price calculations (weight X unit price) and returns the sale price. (This feature is mostly used in Europe at this time.)

The connected scale may have the following additional capabilities:

- Some scale models allow the internal display to be used as a customer display in order to display articles and prices. The appendix describes how to use this functionality.
- Supports application setting of tare weight.
- Supports application zeroing of the scale.

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## Model

The general model of ScaleTransaction is:

- Within the **Open** method the ScaleTransaction module opens the scale with the fixed device name *Scale1*. The application must pass references of OPOS printer and display device instances as arguments in the **Open** method. Those devices have at least to be opened before transferred to the **Open** method of the ScaleTransaction module. The ScaleTransaction module attaches itself to these instances. The scale device will be opened and claimed for exclusive access.
- The ScaleTransaction module will display software ID's at the scale and the operator display.
- The primary ScaleTransaction module method is **ScaleTransaction**. It is always performed synchronously, therefore the printer device must be synchronized before calling this method. It returns after reading data from the scale, printing the scale data on the printer receipt and journal station, displaying scale data at the operator and customer display; the weight, the sales price and the printed receipt and journal lines are returned in specific properties. If an error occurs or if the timeout elapses, the **ScaleTransaction** method returns with an error code.  
The devices passed as references to the **Open** method of the ScaleTransaction module have to be opened, claimed and enabled before calling the **ScaleTransaction** method.
- Within the **Close** method the ScaleTransaction module detaches itself from the OPOS instances.

The application must set the property **UnitPrice** and if required the properties **TareWeight** and **ScaleDisplayText** before calling **ScaleTransaction** method. After a weight is read, the Control sets the properties **SalesPrice** to the calculated price and **Weight** to the actual weight of the item.

The layouts for displaying the scale data at the customer and operator display and for printing the scale data at the receipt and journal station can be controlled with the properties **CustomerDisplayLayout**, **OperatorDisplayLayout**, **PrinterJournalLayout** and **PrinterReceiptLayout**.

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## Properties

### ControlObjectDescription Property

**Syntax** BSTR ControlObjectDescription;

**Remarks** String identifying the Control Object and the company that produced it.

The property identifies the Control Object. A sample returned string is:

```
"ScaleTransaction Module OLE Control, (C) Wincor Nixdorf 2004"
```

**See Also** **ControlObjectVersion** Property

### ControlObjectVersion Property

**Syntax** **LONG ControlObjectVersion;**

**Remarks** Control Object version number.

This property holds the Control Object version number. Three version levels are specified, as follows:

Version Level	Description
Major	The "millions" place. A change to the major version level reflects significant interface enhancements, and may remove support for obsolete interfaces from previous major version levels.
Minor	The "thousands" place. A change to the minor version level reflects minor interface enhancements, and must provide a superset of previous interfaces at this major version level.
Build	The "units" place. Internal level provided by the Control Object developer. Updated when corrections are made to the implementation.

A sample version number is: 1002038

This value may be displayed as version "1.2.38", and interpreted as major version 1, minor version 2, build 38 of the Control Object.

This property is always readable.

**See Also** **ControlObjectDescription** Property

---

**CustomerDisplayLayout Property R/W****Syntax** **BSTR CustomerDisplayLayout;****Remarks** Holds the layout string for displaying the sales price at the connected customer display. This property is used by the **ScaleTransaction** method in order to display the sales price with a specific layout at the customer display.

Format element of the layout:

pppp.pp - identifies the format element of the sales price

In different countries decimal positions are specified either by "." or ",". Therefore the placeholder in the layout string must be either "." or ",", uniform in all format elements.

This property is initialized by the **Open** method with

(" EUR pppp.pp").

**Return** When this property is set, one of the following values is placed in the **ResultCode** property:

<b>Value</b>	<b>Meaning</b>
OPOS_SUCCESS	The property was set successfully.
OPOS_E_ILLEGAL	The layout contains more characters than allowed at a line of the connected customer display or illegal format elements are used.

**See Also** **ScaleTransaction** Method, **StartingLineCustomerDisplay** Property

---

**DecimalSign Property R/W****Syntax**            **BOOL DecimalSign;**

**Remarks**            Defines whether the decimal sign is either “.” or “,”.

If TRUE, then the decimal sign is “.” and the thousands separator is “,”.

If FALSE, then the decimal sign is “,” and the thousands separator is “.”.

**DecimalSign** must match the sign for the decimal positions of format elements used in the different layout properties.

This property is initialized to TRUE by the **Open** method.

**Return**                When this property is set, one of the following values is placed in the **ResultCode** property:

<b>Value</b>	<b>Meaning</b>
--------------	----------------

OPOS_SUCCESS	The property was set successfully.
--------------	------------------------------------

**See Also**            **CustomerDisplayLayout, OperatorDisplayLayout, PrinterReceiptLayout** and **PrinterJournalLayout** Properties

**MaxDisplayTextChars Property****Syntax**            **LONG MaxDisplayTextChars;**

**Remarks**            The number of characters that may be displayed on an integrated scale display for an application specified article text.

If the property **MaxDisplayTextChars** is zero, then the scale does not support text displaying.

This property is initialized by the **Open** method.

**See Also**            **ScaleTransaction** Method, **ScaleDisplayText** Property

---

## MaximumWeight Property

**Syntax**            **LONG MaximumWeight;**

**Remarks**        Holds the maximum weight measurement possible from the scale. The measurement unit is available via the **WeightUnit** property.

**MaximumWeight** has an assumed decimal place located after the “thousands” digit position. For example, an actual value of 12345 represents 12.345.

This property is initialized by the **Open** method.

**See Also**        **WeightUnit** Property

---

**OperatorDisplayLayout Property R/W****Syntax** **BSTR OperatorDisplayLayout;****Remarks** Holds the layout string for displaying the scale data at the connected operator display. This property is used by the **ScaleTransaction** method in order to display the weight, unit price and sales price with a specific layout at the operator display.

Format elements of the layout:

uuuu.uu - identifies the format element of the unit price

ww.www - identifies the format element of the weight

pppp.pp - identifies the format element of the sales price

In different countries decimal positions are specified either by "." or ",". Therefore the placeholder in the layout string must be either "." or ",", uniform in all format elements.

This property is initialized by the **Open** method with

("uuuu.uu ww.www\n EUR pppp.pp").

**Return** When this property is set, one of the following values is placed in the **ResultCode** property:

<b>Value</b>	<b>Meaning</b>
OPOS_SUCCESS	The property was set successfully.
OPOS_E_ILLEGAL	The layout contains more characters than allowed at a line of the connected operator display or illegal format elements are used.

**See Also** **ScaleTransaction** Method, **StartingLineOperatorDisplay** Property**PrintedJournalLine Property****Syntax** **BSTR PrintedJournalLine;****Remarks** Holds the last printed journal line. This property is updated during a successful **ScaleTransaction** method call.This property is initialized to an empty string by the **Open** method.**See Also** **ScaleTransaction** Method

---

## PrintedReceiptLine Property

Syntax	<b>BSTR PrintedReceiptLine;</b>
Remarks	Holds the last printed receipt line. This property is updated during a successful <b>ScaleTransaction</b> method call.  This property is initialized to an empty string by the <b>Open</b> method.
See Also	<b>ScaleTransaction</b> Method

---

**PrinterJournalLayout Property R/W****Syntax** **BSTR PrinterJournalLayout;****Remarks** Holds the layout string for printing the scale data at the journal station of the connected printer. This property is used by the **ScaleTransaction** method in order to print the weight, unit price and sales price with a specific layout at the journal station.

Format elements of the layout:

uuuu.uu - identifies the format element of the unit price

ww.www - identifies the format element of the weight

pppp.pp - identifies the format element of the sales price

In different countries decimal positions are specified either by "." or ",". Therefore the placeholder in the layout string must be either "." or ",", uniform in all format elements.

It is allowed to use OPOS logical escape sequences in the layout.

This property is initialized by the **Open** method with

("uuuu.uu ww.www pppp.pp").

The application is responsible to print a line with unit identifiers for the unit price, weight and sales price, just before calling the **ScaleTransaction** method.**Return** When this property is set, one of the following values is placed in the **ResultCode** property:

<b>Value</b>	<b>Meaning</b>
OPOS_SUCCESS	The property was set successfully.
OPOS_E_ILLEGAL	The layout exceeds the maximum number of characters of the journal or illegal format elements are used.

**See Also** **ScaleTransaction** Method

---

**PrinterReceiptLayout Property R/W****Syntax** **BSTR PrinterReceiptLayout;****Remarks** Holds the layout string for printing the scale data at the receipt station of the connected printer. This property is used by the **ScaleTransaction** method in order to print the weight, unit price and sales price with a specific layout at the receipt station.

Format elements of the layout:

uuuu.uu - identifies the format element of the unit price

ww.www - identifies the format element of the weight

pppp.pp - identifies the format element of the sales price

In different countries decimal positions are specified either by "." or ",". Therefore the placeholder in the layout string must be either "." or ",", uniform in all format elements.

It is allowed to use OPOS logical escape sequences in the layout.

This property is initialized by the **Open** method with

("uuuu.uu ww.www pppp.pp").

The application is responsible to print a line with unit identifiers for the unit price, weight and sales price, just before calling the **ScaleTransaction** method.**Return** When this property is set, one of the following values is placed in the **ResultCode** property:

<b>Value</b>	<b>Meaning</b>
OPOS_SUCCESS	The property was set successfully.
OPOS_E_ILLEGAL	The layout exceeds the maximum number of characters of the receipt or illegal format elements are used.

**See Also** **ScaleTransaction** Method

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**ResultCode Property****Syntax**            **LONG ResultCode;****Remarks**            This property is set by each method. It is also set when a writable property is set.

This property is always readable. Before the **Open** method is called, it returns the value OPOS\_E\_CLOSED.

The result code values are:

<b>Value</b>	<b>Meaning</b>
OPOS_SUCCESS	Successful operation.
OPOS_E_CLOSED	Attempt was made to access a closed device.
OPOS_E_CLAIMED	Attempt was made to access a device that is claimed by another process. The other process must release the device before this access may be made. For exclusive-use devices, the application will also need to claim the device before the access is legal.
OPOS_E_NOTCLAIMED	Attempt was made to access an exclusive-use device that must be claimed before the method or property set action can be used. If the device is already claimed by another process, then the status OPOS_E_CLAIMED is returned instead.
OPOS_E_NOSERVICE	The Control cannot communicate with a Service Object. Most likely, a setup or configuration error must be corrected.
OPOS_E_DISABLED	Cannot perform operation while device is disabled.
OPOS_E_ILLEGAL	Attempt was made to perform an illegal or unsupported operation with the device, or an invalid parameter value was used.
OPOS_E_NOHARDWARE	The device is not connected to the system or is not powered on.
OPOS_E_OFFLINE	The device is off-line.
OPOS_E_NOEXIST	The file name (or other specified value) does not exist.
OPOS_E_EXISTS	The file name (or other specified value) already exists.

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OPOS_E_FAILURE	The device cannot perform the requested procedure, even though the device is connected to the system, powered on, and on-line.
OPOS_E_TIMEOUT	A Service Object timed out waiting for a response from the device, or the Control timed out waiting for a response from a Service Object.
OPOS_E_BUSY	The current Service Object state does not allow this request. For example, if asynchronous output is in progress, certain methods may not be allowed.
OPOS_E_EXTENDED	A class-specific error condition occurred. The error condition code is available in the <b>ResultCodeExtended</b> property.

### ResultCodeExtended Property

Syntax	<b>LONG ResultCodeExtended;</b>
Remarks	When the <b>ResultCode</b> is set to OPOS_E_EXTENDED, this property is set to a OPOS class-specific value, and must match one of the values given in the OPOS Application Programmers Guide under the appropriate device class section.
See Also	<b>ResultCode</b> Property

### SalesPrice Property

Syntax	<b>CURRENCY SalesPrice;</b>
Remarks	<p>The sales price read from the scale for price calculating scales. For price-calculating scales the scale calculates this value during the process of weighing by multiplying the <b>UnitPrice</b> property by the acquired weight.</p> <p>This property is set by the control before the <b>ScaleTransaction</b> method returns.</p> <p>This property is initialized by the <b>Open</b> method to zero.</p>
See Also	<b>ScaleTransaction</b> Method, <b>Weight</b> , <b>WeightUnit</b> and <b>UnitPrice</b> Properties

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**ScaleDisplayText Property R/W****Syntax** **BSTR ScaleDisplayText;****Remarks** Holds the string to be displayed at the scale internal display. This property is to be set before starting the process of weighing with **ScaleTransaction** method.

Setting this property to an empty string ("") will clear the scale internal display.

This property is initialized by the **Open** method with an empty string ("").**Return** When this property is set, one of the following values is placed in the **ResultCode** property:

<b>Value</b>	<b>Meaning</b>
OPOS_SUCCESS	The property was set successfully.
OPOS_E_ILLEGAL	The text contains more characters than allowed in <b>MaxDisplayTextChars</b> , or displaying text is not allowed.

**See Also** **ScaleTransaction** Method, **MaxDisplayTextChars** Property**StartingLineCustomerDisplay Property R/W****Syntax** **LONG StartingLineCustomerDisplay;****Remarks** Specifies the starting line of the customer display where the scale data, according to the **CustomerDisplayLayout** property, will be displayed.This property is initialized to zero by the **Open** method.**Return** When this property is set, one of the following values is placed in the **ResultCode** property:

<b>Value</b>	<b>Meaning</b>
OPOS_SUCCESS	The property was set successfully.
OPOS_E_ILLEGAL	An illegal starting line was specified.

**See Also** **ScaleTransaction** Method, **CustomerDisplayLayout** Property

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**StartingLineOperatorDisplay Property R/W****Syntax**            **LONG StartingLineOperatorDisplay;****Remarks**            Specifies the starting line of the operator display where the scale data, according to the **OperatorDisplayLayout** property, will be displayed.  
  
This property is initialized to zero by the **Open** method.**Return**                When this property is set, one of the following values is placed in the **ResultCode** property:

<b>Value</b>	<b>Meaning</b>
OPOS_SUCCESS	The property was set successfully.
OPOS_E_ILLEGAL	An illegal starting line was specified.

**See Also**            **ScaleTransaction** Method, **OperatorDisplayLayout** Property**TareWeight Property R/W****Syntax**            **LONG TareWeight;****Remarks**            Holds the tare weight of scale data. The weight in **TareWeight** property has an assumed fractional part of three digits. For example, an actual value of 12345 represents 12.345. The measured unit is specified in the **WeightUnit** property.Tare weight is not included in the **Weight** property, which is set by the control returned before the **ScaleTransaction** method returns.This property is initialized by the **Open** method to the scale's default tare weight (usually zero)**Return**                When this property is set, one of the following values is placed in the **ResultCode** property:

<b>Value</b>	<b>Meaning</b>
OPOS_SUCCESS	The property was set successfully.
OPOS_E_ILLEGAL	An invalid tare value was specified.

**See Also**            **ScaleTransaction** Method, **Weight** and **WeightUnit** Properties

---

**UnitPrice Property R/W****Syntax**            **CURRENCY UnitPrice;****Remarks**            Holds the unit price of the article to be weighed. This property is to be set before starting the process of weighing with **ScaleTransaction** method. The scale itself calculates during weighing the property **SalesPrice** by multiplying the **UnitPrice** with the **Weight** property. So, this property contains only a factor.

This property is initialized by the **Open** method to zero.

**Return**            When this property is set, one of the following values is placed in the **ResultCode** property:

<b>Value</b>	<b>Meaning</b>
OPOS_SUCCESS	The property was set successfully.
OPOS_E_ILLEGAL	An invalid price was specified.

**See Also**            **ScaleTransaction** Method, **Weight**, **WeightUnit** and **SalesPrice** Properties**Weight Property****Syntax**            **LONG Weight;****Remarks**            Holds the weight of scale data. The weight in **Weight** property has an assumed fractional part of three digits. For example, an actual value of 12345 represents 12.345. The measured unit is specified in the **WeightUnit** property.

This property is set by the control before the **ScaleTransaction** method returns.

This property is initialized by the **Open** method to zero.

**See Also**            **ScaleTransaction** Method, **UnitPrice**, **SalesPrice** and **WeightUnit** Properties

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## WeightUnit Property

Syntax **LONG WeightUnit;**

Remarks Holds the unit of weight of scale data.

Valid units are:

<b>Value</b>	<b>Meaning</b>
SCAL_WU_GRAM	Unit is a gram.
SCAL_WU_KILOGRAM	Unit is a kilogram (= 1000 grams).
SCAL_WU_OUNCE	Unit is an ounce.
SCAL_WU_POUND	Unit is a pound (= 16 ounces).

This property is initialized to the scale's weight unit by the **Open** method.

## Methods

### Open Method

Syntax **LONG Open (LPDISPATCH *PrinterDevice*,  
LPDISPATCH *OperatorDisplayDevice*,  
LPDISPATCH *CustomerDisplayDevice*);**

Parameter	Description
<i>PrinterDevice</i>	The reference of the printer device (required device).
<i>OperatorDisplayDevice</i>	The reference of the operator display device (required device).
<i>CustomerDisplayDevice</i>	The reference of the customer display device or NULL if no customer display is used (optional device).

Remarks Call to open the scale device for subsequent I/O. The scale device is automatically claimed for exclusive access, so that it is not possible for other applications to claim the scale.

The three references specify which devices should be supported by this Control. The ScaleTransaction module attaches itself to these instances.

Although both references of the display devices are optional, at least one of them must be available and therefore not NULL.

Software Id's are displayed at the scale internal display and at the operator display. If the reference of the operator display device is NULL, then the customer display is used.

When the **Open** method is successful, specific properties may also be initialized.

Return One of the following values is returned by the method:

Value	Meaning
OPOS_SUCCESS	Open successful.
OPOS_E_ILLEGAL	The Control is already open.
OPOS_E_NOSERVICE	Could not attach to an OPOS device instance.
OPOS_E_CLAIMED	The scale device is already claimed by another process.
<i>Other Values</i>	See <b>ResultCode</b> .

## Close Method

Syntax	<b>LONG Close ();</b>
Remarks	Called to detach from all OPOS instances.
Return	One of the following values is returned by the method and placed in the <b>ResultCode</b> property:

Value	Meaning
OPOS_SUCCESS	Devices have been detached.
<i>Other Values</i>	See <b>ResultCode</b> .

## ScaleTransaction Method

Syntax **LONG ScaleTransaction (LONG *Timeout*);**

Parameter	Description
<i>Timeout</i>	The number of milliseconds to wait for a settled weight before failing the method. If zero, the method attempts to read the scale weight, then returns the appropriate status immediately. If OPOS_FOREVER (-1), the method waits as long as needed until a weight is successfully read or an error occurs.

Remarks	<p>Call to read a weight from the scale and print/display the scale data at the connected devices with the layout specified in the corresponding layout properties.</p> <p>In order to print and display the scale data the corresponding devices must be opened, claimed and enabled by the application before calling the ScaleTransaction method.</p> <p>The weighing process is performed synchronously and the method will return after finishing the weighing process and printing/displaying the scale data.</p> <p>The properties <b>Weight</b>, <b>SalesPrice</b>, <b>PrintedJournalLine</b> and <b>PrintedReceiptLine</b> are set before the <b>ScaleTransaction</b> method returns.</p>
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**Return** One of the following values is returned by the method and placed in the **ResultCode** property:

<b>Value</b>	<b>Meaning</b>
OPOS_SUCCESS	The method was performed successful.
OPOS_E_ILLEGAL	An invalid <i>Timeout</i> parameter was specified.
OPOS_E_TIMEOUT	A stable non-zero weight was not available before <i>Timeout</i> milliseconds elapsed.
OPOS_E_CLOSED	The printer or one of the display devices was not opened before calling this method.
OPOS_E_NOTCLAIMED	The printer or one of the display devices was not claimed before calling this method.
OPOS_E_DISABLED	The printer or one of the display devices was not enabled before calling this method.
OPOS_E_BUSY	The printer is busy.
OPOS_E_EXTENDED	<b>ResultCodeExtended</b> = OPOS_ESCAL_OVERWEIGHT: The weight was over <b>MaximumWeight</b> .
<i>Other Values</i>	See <b>ResultCode</b> .

**See Also** **UnitPrice, WeightUnit, Weight, SalesPrice, TareWeight, CustomerDisplayLayout, OperatorDisplayLayout, PrinterReceiptLayout, PrinterJournalLayout, StartingLineOperatorDisplay, StartingLineCustomerDisplay, PrintedJournalLine** and **PrintedReceiptLine** Properties

---

**ShowId Method**Syntax **LONG ShowId (LPDISPATCH *DisplayDevice*);**

Parameter	Description
<i>DisplayDevice</i>	The reference of either the operator display device or the customer display device.

Remarks Call to display software ID's at the scale internal display and the referenced display.  
In order display a software ID at the referenced display the corresponding device must be opened, claimed and enabled by the application before calling the **ShowId** method.

Return One of the following values is returned by the method and placed in the **ResultCode** property:

Value	Meaning
OPOS_SUCCESS	This method was successful.
OPOS_E_IILEGAL	An invalid parameter was specified.
OPOS_E_CLOSED	The display device was not opened before calling this method.
OPOS_E_NOTCLAIMED	The display device was not claimed before calling this method.
OPOS_E_DISABLED	The display device was not enabled before calling this method.
<i>Other Values</i>	See <b>ResultCode</b> .

See Also **Open Method**

## Appendix: Using the scale internal display as a customer display

With the methods **DisplayArticle** and **ResetDisplay** the scale internal display can be used as a customer display without weighing an article.

### DisplayArticle Method

**Syntax**            **LONG DisplayArticle (BSTR ArticleText, BSTR NumField1, BSTR NumField2, BOOL DisplayFlag);**

Parameter	Description
<i>ArticleText</i>	Up to 21 characters (e.g. article description)
<i>NumField1</i>	Up to 6 characters (e.g. article multiplier)
<i>NumField2</i>	Up to 6 characters (e.g. article price)
<i>DisplayFlag</i>	TRUE means a suffix '-' will be added to <i>NumField2</i> FALSE means a blank will be added to <i>NumField2</i>

**Remarks**        Call to display article information at the scale internal display without weighing this article. Within this method call the weighing mechanism of the scale is disabled.

**Return**            One of the following values is returned by the method and placed in the **ResultCode** property:

Value	Meaning
OPOS_SUCCESS	This method was successful.
OPOS_E_IILEGAL	An invalid parameter was specified.
OPOS_E_FAILURE	Displaying data failed or the scale is not capable to use its internal display as a customer display.
<i>Other Values</i>	See <b>ResultCode</b> .

**See Also**         **ResetDisplay** Method

---

## ResetDisplay Method

**Syntax**            **LONG ResetDisplay ();**

**Remarks**        Call to clear the scale internal display. This method call will reenable the weighing mechanism of the scale after using the **ResetDisplay** method.

**Return**            One of the following values is returned by the method and placed in the **ResultCode** property:

<b>Value</b>	<b>Meaning</b>
OPOS_SUCCESS	This method was successful.
<i>Other Values</i>	See <b>ResultCode</b> .

**See Also**        **DisplayArticle** Method