PrestaShop Product Properties Extension

User Guide

Introduction

PS&More PrestaShop Product Properties Extension allows you easily create sophisticated shop with features that are not available in the standard PrestaShop installation. It is not just simply one more PrestaShop module. It is an integrated PrestaShop solution. Give your visitors a unique user experience to buy exactly what they want and how they want. Emphasize your products with unique properties by using different product templates and boost your sales.

The Product Properties Extension module comes in two versions: Basic and Pro.
The Product Properties Extension plugin Pro version adds an additional functionality to the module.

Features

Product templates

Product template is the heart of the Product Properties Extension. The Product Properties Extension behavior based on the templates attached to the products. A template is a collection of different properties grouped together for easy access and manipulation. You assign template to the product in the PrestaShop back office to benefit from the features of the Product Properties Extension.

Units of measurements

Products can be defined using different units of measurements, like meters, feet, kilogram, ounces, pounds, packs, etc.

Measurement systems

Both metric and non-metric (imperial/US) measurement systems are supported. There is no limitation what to use. You can easily switch between the measurement systems or even use both at the same time. You can use meters, feet, kilogram, ounces, pounds, liters or any other unit.

Items, whole and fractional quantities

Product's quantity can be bound to different policies. The policy defines how the module behaves and how it manipulates the quantity of the product.
When a user enters the quantity, the ordered quantity can specify a number of items (pieces, packs, etc.). When the user presses the "Add to Cart" button, the module adds a row to the order. When the user adds more items of the same product, the module combines all specified quantities in the same

Copyright since 2011 © PS&More. All rights reserved.

row. It is a regular PrestaShop behavior.
The ordered quantity can specify a number of whole units (but not items), for example, meters. When the user enters the quantity of 45 meters for the rope, the shopping card will contain one product (rope) with the specified length of 45 meters and not 45 items of the rope as it would happen in the standard PrestaShop installation. While using whole units, every time when the user presses the “Add to Cart” button, the module adds new row with the specified quantity to the order.
The quantity can also specify the fractional units (quantity in decimal values), like kilogram or meter. This is the mandatory behavior for the grocery or fabrics shops.

Price text

Price text appears after the product's price and usually specifies the price unit of measurement. For example, 45 € per kg or 12 € per 6 pieces of sushi.

Quantity text

Quantity text appears after the product's quantity and designates the meaning of the buying quantity. For example, 800 grams.

Unit price and unit price text

PrestaShop explains unit price as follows:
Enables you to conform to local legislations that require products to be displayed with their unit price. For instance, if you are selling a pack of 6 cans of soda, then you should fill this field with the price per can, and indicate "can" in the second field. The description on the same line will update accordingly. The "per" field can apply to any unit of measurement, the most frequent ones being "liter", "fl oz", "pound", "kilogram", "gallon", etc.

Minimum quantity

Minimum purchase quantity can be set in whole or fractional units. The minimum quantity can be also set in the product template.

Maximum and total maximum quantity

Maximum quantity can be set in two ways. You can specify the maximum quantity for a product in each line in an order or a shopping cart. If the order or the shopping cart contains several lines of the same product, you can specify total maximum quantity for the whole order.

Default quantity

Default quantity specifies the initial quantity to buy a product and can be set in whole or fractional units.

Quantity step

Configure a quantity specified by the customers to be limited to specified quantity increments. For example, if you sell the fabrics in increments of 0.2 m you can set the quantity step to be 0.2. The ordered quantity will be rounded to 0.2, 0.4, … 1.6, 1.8, etc.

Copyright since 2011 © PS&More. All rights reserved.

Specific quantity values

Restrict the quantity entered by the user to the specified list. This can be helpful, for example, when you sell your product in the packs of the pre-defined quantities.

Quantity threshold for minimum price

A quantity threshold used to calculate a minimum price. When user specifies a quantity less than the specified threshold, the module calculates the price using the given threshold as a quantity. The result is that the price will never be less than the base price multiplied by the given quantity threshold regardless of the ordered quantity.

Price calculation

Dynamic price display is an additional visual element added in the Product Properties Extension. Price is displayed for the specified quantity and immediately re-calculated when quantity changes. This gives the user better shopping experience.

Inline Explanation

Inline explanation appears in the ordering block on the product's page. It is usually a special message explaining the trading policy but can be any text or valid HTML and can include images. You can define any number of different explanation messages. For example:
"Product is sold by weight. The exact price will be calculated after the product is weighted."

Stock management

Stock management handles correctly products with the fractional units of measurements. For example, if you have 30 kg of cheese in stock and someone ordered 700 gram of cheese your final stock quantity will be 29.3 kg.

Product Import

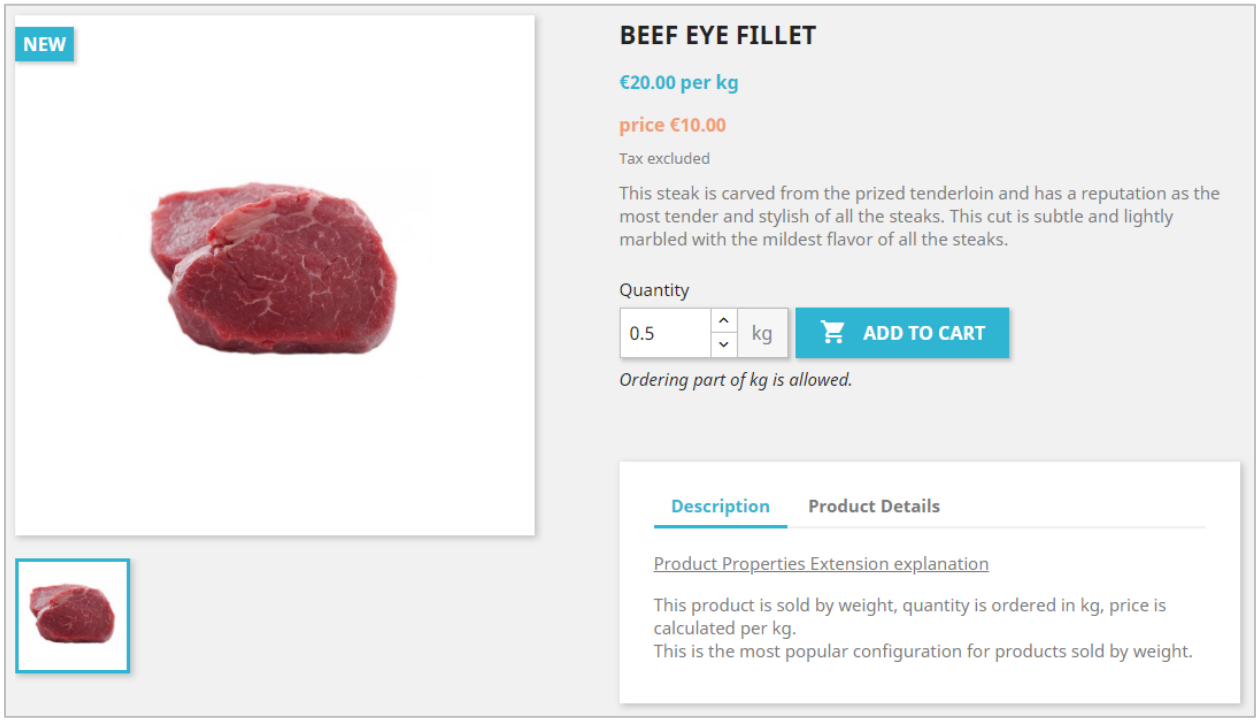
Product import from CSV files was adapted to use fractional units and templates.

Quick Look on your Shop

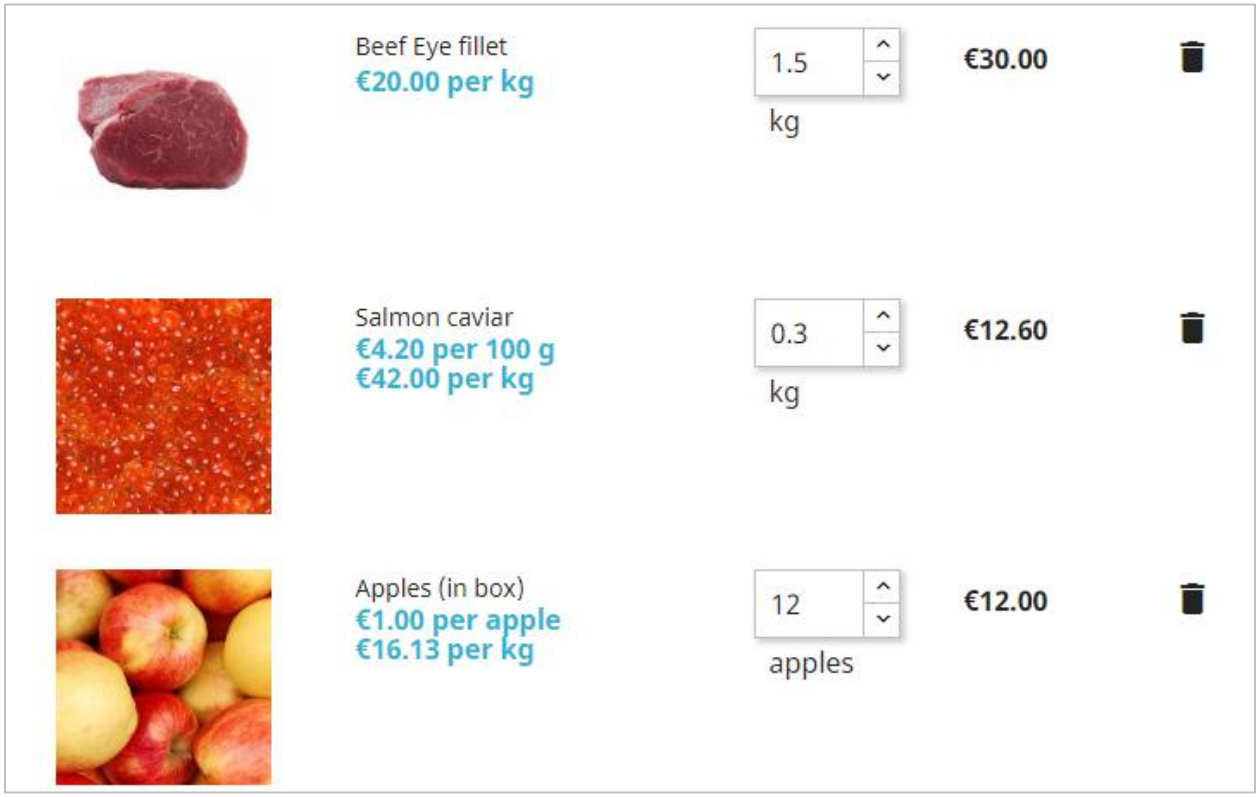
Make a quick look on your shop. Review some front-office examples, read explanations. Explore advanced features of the Product Properties Extension by visiting our live demo store.

Copyright since 2011 © PS&More. All rights reserved.

Product Page



Shopping Cart Summary



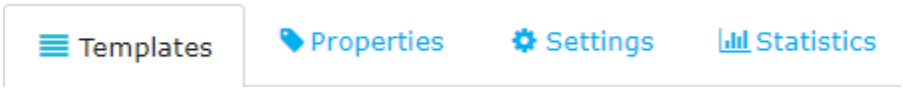
Copyright since 2011 © PS&More. All rights reserved.

Using the Product Properties Extension

Install the Product Properties Extension module following the PrestaShop module installation instructions.

Configuration

The module configuration page has several tabs to assist with the configuration.



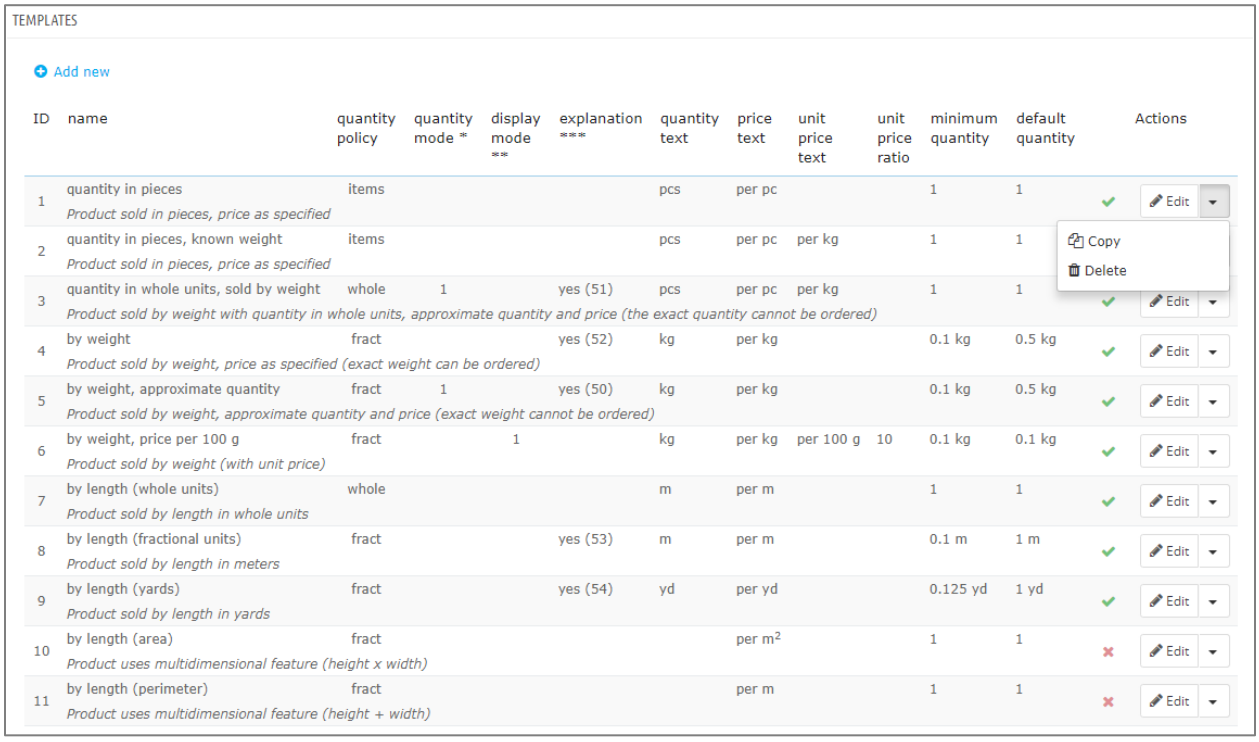
Templates

Understanding product templates

Product template is a collection of product attributes or properties combined together and defining the behavior of different elements of the PrestaShop engine, how the product looks in the shop and how this affects the user visual experience. You can create any number of product templates or product properties. The installation package comes with a collection of ready to use templates.

Manage templates

The templates tab gives access to the main module configuration facility where you review and manage the product templates.



Copyright since 2011 © PS&More. All rights reserved.

Function	Description
Add new	Use “Add new” function to open new form and create new template. *You can easily create template by duplicating an existing template.*
	Use “Visible/Hidden” function to make the template visible or hidden in the product catalog in the back office. This is a convenient way to shorten the templates list and hide templates that are not in use. Hiding the template in the back office does not affect the behavior of the products in the shop, which are already bound to the template.
	Use “Edit” function to open the edit template form.
	Use “Copy” function to duplicate the existing template.
	Use “Delete” function to delete template from the system. When you delete the template, the products using this template appear in the shop as products with no template assigned.

Copyright since 2011 © PS&More. All rights reserved.

Add, edit or copy template

You enter the template attributes in new form when you add, edit or copy template.

Copyright since 2011 © PS&More. All rights reserved.

Template field	Description
ID	The module automatically assigns template ID to each template. The template ID is handy to identify the template quickly.
name	Specify the user-friendly template's name.
description	Write the template description. The template description is only visible in the back office. Leave this field blank to use the auto-generated description.
quantity policy	Choose the quantity policy used by the template. Product's quantity can be bound to different policies. The policy defines how the module behaves and how it manipulates the quantity of the product. When a user enters the quantity, the ordered quantity can specify a number of items (pieces, packs, etc.) in a shopping cart. When the user presses the "Add to Cart" button, the module adds a row to the order. When the user adds more items of the same product, the module combines all specified quantities in the same row. It is a regular PrestaShop behavior. The ordered quantity can specify a number of whole units (but not items), for example, meters. When the user enters the quantity of 45 meters for the rope, the shopping card will contain one product (rope) with the specified length of 45 meters and not 45 items of the rope as it would happen in the standard PrestaShop installation. While using whole units, every time when the user presses the "Add to Cart" button, the module adds new row with the specified quantity to the shopping cart. *Note: you can override this behavior by choosing aggregate quantities option in "quantity mode".* The quantity can also specify fractional units (quantity in decimal values), like kilogram or meter. This is the mandatory behavior for the grocery or fabrics shops. While using fractional units, every time when the user presses the "Add to Cart" button, the module adds new row with the specified quantity to the shopping cart. *Note: you can override this behavior by choosing aggregate quantities option in "quantity mode".* The quantity policy is set to "multidimensional" when the multidimensional feature (requires multidimensional plugin) is enabled for the template. *Note: see "Items, whole and fractional quantities" explanation in "Features" section of this document.*

Copyright since 2011 © PS&More. All rights reserved.

Template field	Description
quantity mode	Choose the quantity mode. The quantity mode defines whether you can measure the quantity exactly or only approximately. For example, if user orders 2 kg of pears, the actual weight can be slightly different. You can ignore the difference in the shop or you can give the user an explanation about you trading policy. This property only makes sense when the quantity policy is set to whole or fractional units, but not items. The aggregate quantities option allows you to specify what happens when the user presses the "Add to Cart" button. While using whole or fractional units, every time when the user presses the "Add to Cart" button, the module adds new row with the specified quantity to the shopping cart. When you choose the aggregate quantities option, the module attempts to add new quantity to the existing row with the same product in the shopping cart.
display mode	Choose the display mode. This mode defines how the module displays the product price. In normal mode the module displays the product price as defined by the theme. Usually, the theme emphasizes the product price to attract user attention. In the reversed price display mode the unit price is used as the main displayed price on the product page and replaces the regular price on the home page and in the categories or cross selling products pages. If you sell an expensive product, you can specify the small units with the low price and make you product looks more attractive for the user. *Note: you need to specify a unit price text (see later) for the reversed price display mode.* The display retail price as unit price mode instructs the module to display a retail price in the position of the unit price. This mode is useful when the product has combinations and the combination prices are differed from the base price. The display base unit price for all combinations mode instructs the module to display the unit price calculated for the default attribute for all combination. This mode is useful when the product has combinations with different prices and you would like to display additional price information that does not depend on the combination price. The display legacy product price mode (since 3.0.3) instructs the module to display a legacy product price instead of a dynamically calculated product price. The display unit price in orders and invoices mode(since 3.1.0) instructs the module, for products with unit price greater than zero, to display a unit price as an extra detail in orders and invoices. The display number of items instead of quantity mode (since 3.2.0) instructs the

Copyright since 2011 © PS&More. All rights reserved.

Template field	Description
	module to display a number of ordered items instead of a dynamically calculated product quantity. This mode is useful when the product uses the multidimensional features and the total calculated quantity depends on the number of items and the quantity or size of each item. In order to provide more information to the user the module displays different texts and additional details about the quantity, product price, unit and total price in orders and invoices. Sometimes it desired not to show this information. You can fine-tune the display of these details by selecting to hide extra details for unit price, quantity and total price in orders and invoices.
price display mode	Choose the price display mode. The price display mode defines how the module displays the calculated price. See price calculation feature for more explanation. In normal mode, the module calculates and displays price in a separate block. In as product price mode, the module displays calculated price instead of the default product price. In hide price display mode the module does not display the calculated price.
price text	Choose a price text displayed after the product's price. For example, per kg. *If you can't find the required text you can add more texts in the Properties tab.*
quantity text	Choose a quantity text displayed after the product's quantity and designates the meaning of the buying quantity. For example, kg. *If you can't find the required text you can add more texts in the Properties tab.*
unit price text	Choose the unit price text to use as an additional attribute in the products display. For example, use "per 100 g" to designate small units of the product. *If you can't find the required text you can add more texts in the Properties tab.*
unit price ratio	Specify the price ratio between the product price and the unit price. For example, if you sell product in kg and would like to have the unit price displayed as "per 100 g", specify the unit price ratio as 10. The module uses the unit price ratio to calculate the product unit price in the shop and in the product catalog. When you change the price in the catalog, the module automatically recalculates the unit price.
quantity threshold for minimum price	The threshold used to calculate minimum price. When user specifies quantity less than the specified threshold, the price calculated using the given threshold as a quantity. The result is that the price will never be less than the base price multiplied by the given quantity threshold regardless of the ordered quantity.
minimum quantity	Specify the minimum purchase quantity for all products using this template. You can override the minimum purchase quantity for individual product in the product catalog. You can set the minimum purchase quantity in whole or fractional units. *Minimum quantity in multidimensional template refers to the number of items.*
maximum quantity	Specify the maximum purchase quantity for a product in each line in an order or a shopping cart. *Maximum quantity in multidimensional template refers to the number of items.*
total maximum quantity	Specify the total maximum quantity for a product in an order or a shopping cart if the order contains several lines of the same product. *Total maximum quantity in multidimensional template refers to the number of items.*

Copyright since 2011 © PS&More. All rights reserved.

Template field	Description
default quantity	Specify the default quantity to buy a product. The default quantity is an initial quantity displayed on a product page. The module also uses the default quantity when you add product to the card from the pages that have "Add to cart" button but do not offer the quantity field, like home or product category pages. You set the default quantity in whole or fractional units.
quantity step	Specify the quantity increments to restrict the quantity entered by the user to the specific values. The module rounds the ordered quantity to the value matching the quantity step specified. *Pro feature* (since 3.1.0) In the Pro version, you can specify the quantity step on the product page in the back office. This works for both simple products and products with combinations. You can specify the quantity step separately for each combination.
quantity shift	Specify the change in quantity when user presses up and down buttons in the quantity field. This is differed from the quantity step. The quantity shift does not restrict entering any arbitrary value (since 3.2.4). This attribute has no effect when either the quantity step or the specific quantity values are in use.
quantity decimals	Specify how many decimals you want to display for the quantity (since 3.2.4). This attribute works only when the quantity policy is set to fractional units.
specific quantity values	Specify one or more values to use as an order quantity. By specifying the values here, you effectively restrict the quantity entered by the user to the specified list. This can be helpful, for example, when you sell your product in the packs of the pre-defined quantities. If you like to specify only one value, simply type in the value in the specific quantity values input field. If you like to specify several values, separate them using the pipe symbol. For example: 10|20|40|100
inline explanation	Choose an explanation displayed in the ordering block on the product's page. It is usually a special message explaining the trading policy, but can be any text or valid HTML can include images. *You can use macros to substitute dynamic quantity values (see "Using macros" section in Appendix A).* *If you can't find the required text you can add more texts in the Properties tab.*
CSS classes	Specify valid CSS classes separated by space. The module adds these classes to HTML for products using this template. You can use this field for fine-tuning how the product looks in the shop. You can create your own CSS classes or use a number of pre-defined classes. See the "CSS classes" section in this document.

Copyright since 2011 © PS&More. All rights reserved.

Template field	Description
display available quantities mode	Choose the mode how to display available quantities on the product page. The available quantities on the product page displayed only if you enabled this feature in the shop preferences. In auto mode the available quantities displayed based on the template properties and configuration. If mode is set to visible, the available quantities on the product page displayed if you enabled this feature in the shop preferences. If mode is set to hidden, the module hides and does not display the available quantities for the products using this template.
measurement system	Choose the metric or non-metric (imperial/US) measurement system used by the template. Choose default if the template should automatically use the measurement system defined in the Settings tab. This is usually the best choice.
display measurement system	*Pro feature* (since 3.2.1) Selecting "visible" instructs the module to add a block allowing customers to choose the preferred unit measurement system on the product page and calculate the quantities and prices accordingly. *See the Pro version documentation for additional details how to use this feature.*
visible in catalog	Choose whether the template is active and visible or hidden in the product catalog in the back office. Hiding the template in the back office does not affect the behavior of the products in the shop.
customization	You can enable or disable customizations for the template. If you do not create user defined customizations, for performance reasons leave this option disabled. *See the "User defined customizations" section in this document.*

Properties

The properties tab shows all template properties available to build the templates. There are two categories for properties: attributes and texts.

You use *attributes* to choose price text, quantity text, unit price text, etc.
You use *texts* as explanations (see Templates section).

You access add, edit and delete properties functions through the Properties tab.

Each property has two values. One for the templates with the metric measurement system and the other for the templates with the non-metric measurement system.

Copyright since 2011 © PS&More. All rights reserved.

ATTRIBUTES

Add new

ID	**Attribute** *metric*	**Attribute** *non metric (imperial/US)*	Actions
1	pc	pc	Edit
2	pcs	pcs	Edit
3	per pc	per pc	Edit
4	item	item	Edit
5	items	items	Edit
6	per item	per item	Edit
7	pack	pack	Edit
8	packs	packs	Edit
9	per pack	per pack	Edit
10	kg	lb	Edit
11	per kg	per lb	Edit
12	per 100 g	per 100 g	Edit
13	oz	oz	Edit
14	per oz	per oz	Edit
15	m	ft	Edit
16	per m	per ft	Edit
17	m^2	ft^2	Edit
18	per m^2	per ft^2	Edit

TEXTS

Add new

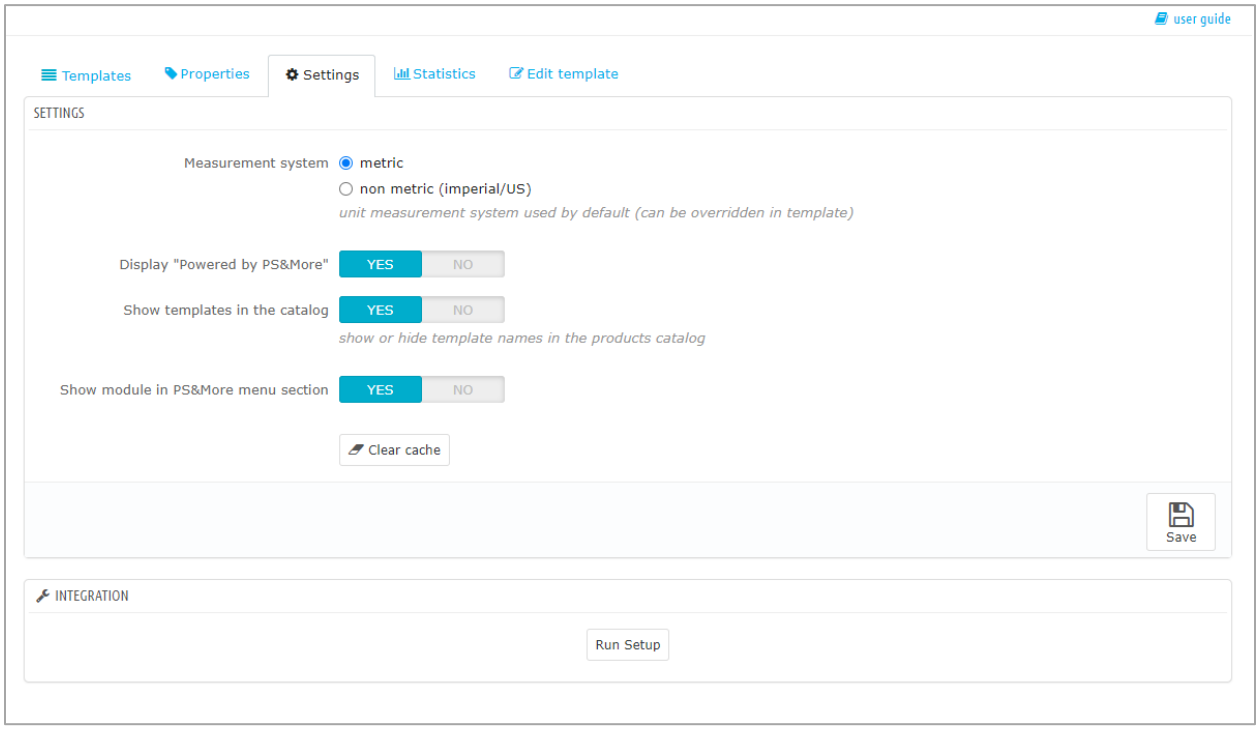
ID	**Text** *metric*	Actions
50	Product is sold by weight. The exact price will be calculated after the product is weighted.	Edit
51	Product is ordered in items but sold by weight. The exact price will be calculated after the product is weighted.	Edit
52	Ordering part of kg is allowed.	Edit
53	Ordering not whole number of meters is allowed.	Edit
54	to specify part of a yard use: 0.0625 for 1/16 yards 0.125 for 1/8 yards 0.25 for 1/4 yards 0.5 for 1/2 yards 0.75 for 3/4 yards	Edit

Copyright since 2011 © PS&More. All rights reserved.

Settings

The Settings tab lets you configure different settings and default values used by the Product Properties Extension module.

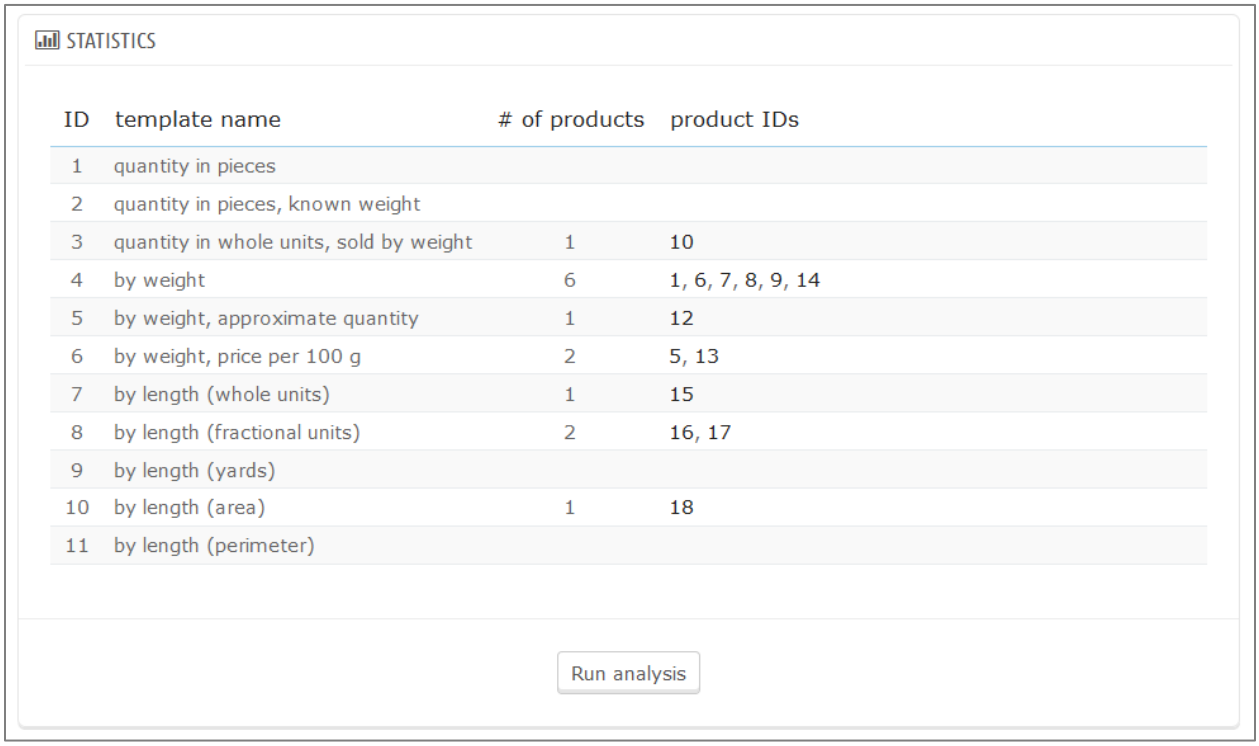
The Settings tab also lets to perform the integration test. You perform the integration test to check for the compatibility issues and to see the compatibility results report. Run setup to perform the integration test each time you install new module, theme, change the PrestaShop core files or update PrestaShop. See the “Installation Instructions” for more information.



Copyright since 2011 © PS&More. All rights reserved.

Statistics

Statistics tab presents the usage of different templates by the products in the shop. Click on the "Run analysis" button to collect the results. Each product ID in the results is a link that opens the product's catalog page for quick product access.



Copyright since 2011 © PS&More. All rights reserved.

CSS classes

You can easily change a layout and use your own or the pre-defined classes for fine-tuning how the product looks in the shop. Specify valid CSS classes separated by space in the "CSS classes" field. The module adds these classes to HTML in the block associated with the dimension.

You can create your own CSS classes and add them in the following file:
`themes/<your_theme_name>/modules/pproperties/css/custom.css`

CSS class	Description
psm-hide-{cssClass} (since 3.0.5)	Auto generate CSS style to hide any element on the screen. Replace a `{cssClass}` string with a valid CSS class name to generate a relevant CSS style definition. For example, `psm-hide-product-unit-price` will generate the following CSS style: `.psm-hide-product-unit-price .product-unit-price {display: none !important;}`
psm-display-{cssClass} (since 3.1.9)	Auto generate CSS style to display any previously hidden element on the screen. Replace a `{cssClass}` string with a valid CSS class name to generate a relevant CSS style definition. For example, `psm-display-product-unit-price` will generate the following CSS style: `.psm-display-product-unit-price .product-unit-price {display: inherit !important;}`
psm-attribute-label-highlight	Highlight and emphasize product attributes group names on a product page.
psm-attribute-color-{size}	Size of a visual rectangle for a product attributes group defined as a color attribute. Replace a `{size}` string with the one of the following values: `small, medium, large, xlarge, xxlarge, xxxlarge, jumbo.`
psm-attribute-color-text-visible	Make the attribute names visible for a product attributes group defined as a color attribute.
pp-quantity-wanted-hidden (since 3.2.1)	Hide an input quantity field on the product page.
pp-product-list-add-to-cart-hidden (since 3.2.3)	Hide "add to cart" button on category, new products, popular products, best sellers, search results and other pages that display a product list. *Note: works only with compatible themes.*
pp-packs-calculator-quantity-hidden (since 3.2.1)	Hide a packs calculator quantity field on a product page when the template uses the multidimensional plugin packs calculation feature.
pp-ext-highlight	Highlight and emphasize dimensions block on a product page when the template uses the multidimensional plugin features.
pp-ext-nohighlight	Do not highlight and emphasize dimensions block on a product page when the template uses the multidimensional plugin features.

Copyright since 2011 © PS&More. All rights reserved.

User defined customizations

The Product Properties Extension module supports customizations defined by user. You can write your own code in PHP and the module will call your code when needed. You can write, for example, code that validates products in an order using your own rules. From your code, you can call PrestaShop internal methods, access the database or perform any other designed activities. This gives endless possibilities to adjust the module to your needs.

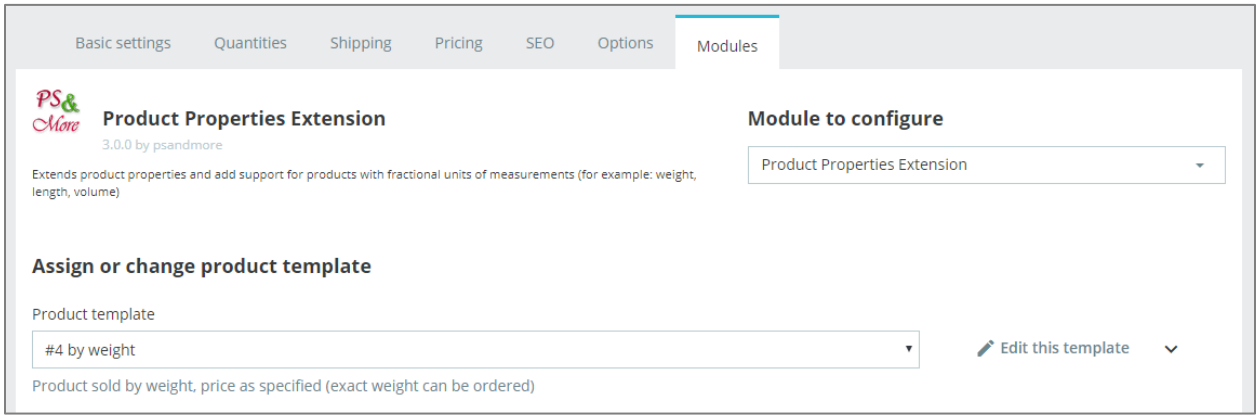
In order to use the customizations, you need to install a free "Product Properties Extension customization" module. Please contact our friendly customer support for instructions. PS&More team can also write code for you and provides paid customization service for our customers.

Copyright since 2011 © PS&More. All rights reserved.

Working in the PrestaShop back office

Adding Products in the Catalog

You add and manage products in your store in the usual way in the products catalog. In addition to setting the price and quantities for a product, you can also choose the product template.



Stock management compatibility note

Some of the templates can be not compatible with the stock movement. You should not use these templates if you activate the stock management in the PrestaShop. For shops, than do not use the PrestaShop stock management facility this restriction is not applicable.

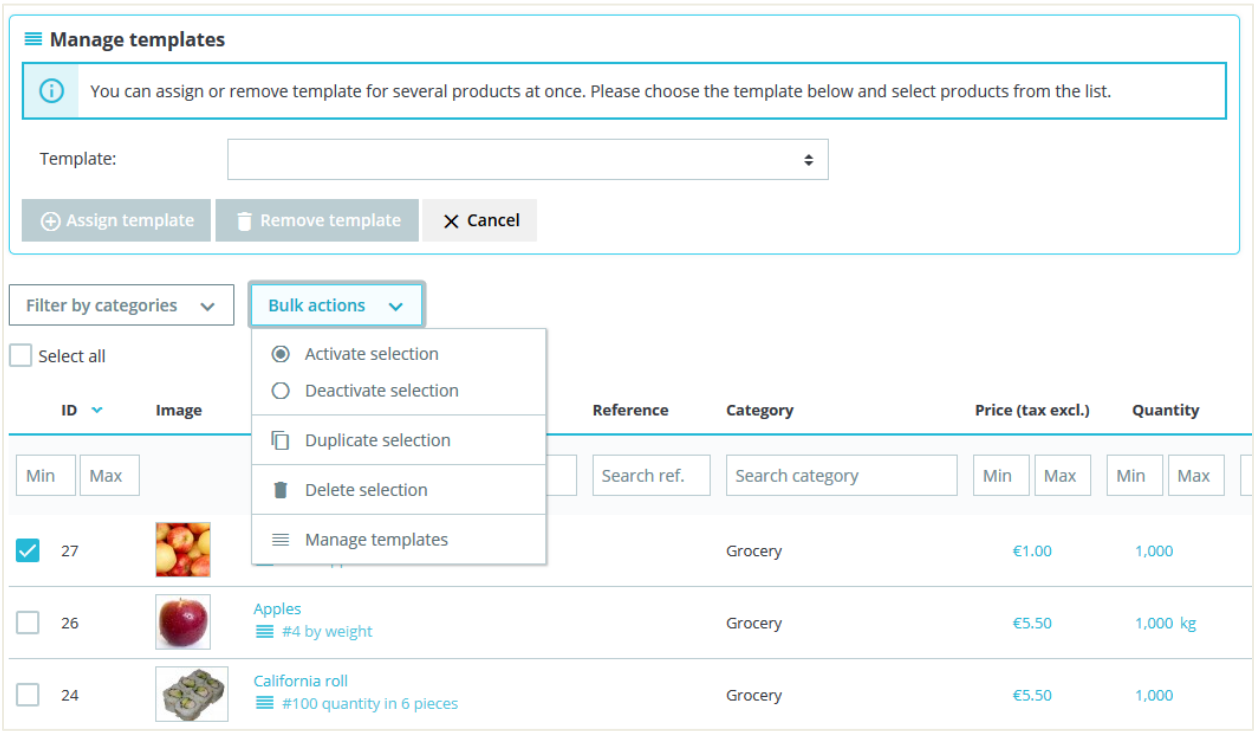
For example, if you sell whole chickens that can be of different weight and would like to manage chickens in your stock in kg, you cannot use template that specifies quantity in items and price per kg.

You can easily eliminate undesired usage on incompatible templates by setting their back office “visible in catalog” status to hidden.

Copyright since 2011 © PS&More. All rights reserved.

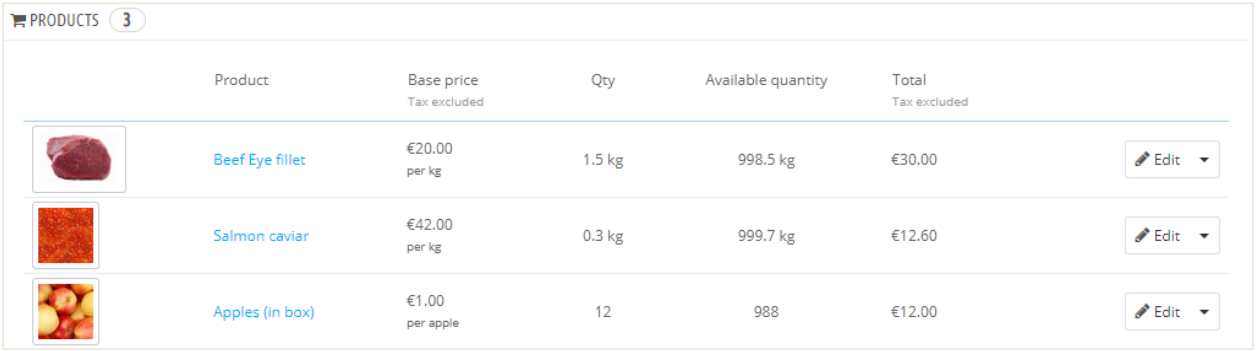
Bulk Actions

You can assign or remove template for several products in one operation using bulk actions in product's catalog. Select all desired products and choose “Manage templates” in the “bulk actions” on the bottom. You can use categories and filters to narrow your list.



Viewing Customer Order Details

When you review the customer order, you see the detailed information about the order.



Copyright since 2011 © PS&More. All rights reserved.

Product Properties Extension plugin Pro

The Product Properties Extension plugin Pro version adds an additional functionality to the module. For all features available for the Product Properties Extension plugin Pro, see the corresponding module documentation.

Installation Instructions

Install the module following PrestaShop documentation how to install the PrestaShop modules. Ensure your system meets system requirements for PrestaShop 1.7. You can find these requirements at https://devdocs.prestashop.com/1.7/basics/installation/system-requirements/#settings.

Recommended PHP settings

- `magic_quotes_gpc = off`
- `memory_limit = 512M` The more memory you have the better, but 512MB should be fine in most cases for PrestaShop, however if you have large database with many products and heavy traffic, it would need more.
- `max_input_time = 300`
- `upload_max_filesize = 50M` Controls the upload maximum file size.
- `post_max_size = 50M` Maximum data size allowed to uploaded, in megabytes.
- `max_input_vars = 30000` You need this to be large as this is needed especially when you are editing products or translations, and your server can timeout if you don't have enough.

File and folder settings permissions

In order to work properly, you should set your PrestaShop files and folders permissions and owner server settings correctly, otherwise you may get error in certain functions.

Folders should be set with chmod permission: **0755**. Files should be set with chmod permission: **0644**.

File and folders owner should match the running WEB server user to ensure that modules have read/write access with the above permission.

The installation process analyzes the PrestaShop files and configuration for user customizations. This can require access to the PrestaShop web site to retrieve the PrestaShop version information. Depending on your internet connection and the PrestaShop web site availability, this process can take some time. Please be patient and do not restart the installation.

Copyright since 2011 © PS&More. All rights reserved.

Once you installed the Product Properties Extension module, click on the module's "Configure" button. The Product Properties Extension module automatically integrates all necessary files and checks them for the compatibility. In case of issues, open the module's "Settings" tab to see the compatibility results report.

Note: if you change the PrestaShop core files or theme, please always run setup available in the module's "Settings" tab.

PrestaShop themes

The installation process recognizes and automatically supports the default PrestaShop theme that comes with the PrestaShop installation.

The installation process uses the best effort to integrate the module properly also with the customized themes.

Changing the theme

If you need to change the theme after the Product Properties Extension module already installed, please first uninstall the module. *When you uninstall the module all user data is preserved and remains in the database. All user data will be available when you reinstall the module.* When you uninstall the module, the module uninstallation procedure restores the original files modified during the installation.

Install the new theme using the installation instruction provided by the theme's manufacture. Once you installed the new theme, switch your shop to use the new theme and reinstall the Product Properties Extension module. The module's installation process makes the best attempt to integrate the Product Properties Extension module properly with the new theme. Some theme manufactures customize themes in the way that makes the automated integration not possible. If you see the integration warning, it means that some of the files in your customized theme are not integrated. The manual integration is required in this case. Please follow explanations found in the "Theme integration instructions" document.

Updating PrestaShop

New versions of PrestaShop come every few weeks. Before updating PrestaShop, please check for the Product Properties Extension upgrade package matching your new PrestaShop version. This advice is not specific for the Product Properties Extension module, but is true for all other third party modules.

Before updating PrestaShop, you need to uninstall the Product Properties Extension module. Please read the "Upgrading Product Properties Extension module" section in this document.

Copyright since 2011 © PS&More. All rights reserved.

Upgrading Product Properties Extension module

Before you upgrade the Product Properties Extension module, please save and backup your current shop. Follow the PrestaShop instructions how to perform this step.

It is important to back up your customized translation. If you did not edit the available translations, you can skip this step.

Perform integration test

Open the module Product Properties Extension configuration page and select "Settings" tab. Run setup to perform the integration test and check the modified files. If the compatibility results report does not show any modified files you can continue with the upgrade procedure. If you have modified the Product Properties Extension files, write down the list of the modified files. Please review these files after you finish the upgrade.

Step by step upgrading procedure

- If you use the Product Properties Extension plugins delivered as separate modules, uninstall them first. You should reinstall them after you finished the upgrade procedure.
- Backup your translation files. The translation files are named **`iso_code.php`**, where **`iso_code`** being the ISO 3166-1 code (http://www.iso.org/iso/country_codes.htm) (de, fr, en, it, es, etc.): The files are located in `modules/pproperties/translations` folder.
- If you integrated plugins in the module, backup your plugins. You'll find the integrated plugins under the following folder:
  `modules/pproperties/plugins`
- Uninstall and delete the Product Properties Extension module using the PrestaShop module management.
  When you uninstall the module all user data is preserved and remains in the database. All user data will be available when you reinstall the module.
- Install new version of the Product Properties Extension module following the installation instructions found in this document.
- Restore and review your customized translations. New version of the module can have modified texts that need to translate.
- Restore and review your integrated plugins and plugins delivered as separate modules. New version of the module can require different version for some plugins.

Troubleshooting

Manual Setup

You perform these manual setup steps if the module automated setup fails with errors.

Copyright since 2011 © PS&More. All rights reserved.

Please refer the PrestaShop documentation for troubleshooting where you can find how to turn error message display on.

If you see warning that the integration failed for some module, you can temporarily disable or uninstall the module in question and re-run setup.

If you cannot resolve the problem by your own, please contact the customer support for help.

Copyright since 2011 © PS&More. All rights reserved.

Appendix A

Using macros

You can create dynamic explanation strings by using macros. When you use macros, the template engine calculates and substitute quantity values in place of macros in the explanation string. The following macros are available.

Table 1: Explanation string macros

Macro	Description
{MIN}	minimum quantity
{MAX}	maximum quantity
{TMAX}	total maximum quantity
{STEP}	quantity step
{URATIO}	unit price ratio

Copyright since 2011 © PS&More. All rights reserved.

Appendix B

Compatibility

The module does not support “New & Experimental Features”, like “New product page”. You should not enable these features.

Copyright since 2011 © PS&More. All rights reserved.