+++ title = "Reference: Standard field definitions" aliases = ["/docs/sources/panels/reference-standard-field-definitions/"] weight = 1200 +++

Reference: Standard field definitions

This section explains all available standard options. They are listed in alphabetical order.

You can apply standard options to most built-in Grafana panels. Some older panels and community panels that have not updated to the new panel and data model will be missing either all or some of these field options.

Most field options will not affect the visualization until you click outside of the field option box you are editing or press Enter.

> **Note:** We are constantly working to add and expand options for all visualization, so all options might not be available for all visualizations.

Decimals

Number of decimals to render value with. Leave empty for Grafana to use the number of decimals provided by the data source.

To change this setting, type a number in the field and then click outside the field or press Enter.

Data links

Lets you control the URL to which a value or visualization link.

For more information and instructions, refer to Data links({{< relref "../linking/data-links.md" >}}).

Display name

Lets you set the display title of all fields. You can use [variables]({{< relref "../variables/_index.md" >}}) in the field title.

When multiple stats, fields, or series are shown, this field controls the title in each stat. You can use expressions like `${__field.name}` to use only the series name or the field name in title.

Given a field with a name of Temp, and labels of {"Loc"="PBI", "Sensor"="3"}

Expression syntax	Example	Renders to	Explanation
`${__field.displayName}`	Same as syntax	`Temp {Loc="PBI", Sensor="3"}`	Displays the field name, and labels in {} if they are present. If there is only one label key in the response, then for the label portion, Grafana displays the value of the label without the enclosing braces.
`${__field.name}`	Same as syntax	`Temp`	Displays the name of the field (without labels).
`${__field.labels}`	Same as syntax	`Loc="PBI", Sensor="3"`	Displays the labels without the name.
`${__field.labels.X}`	`${__field.labels.Loc}`	`PBI`	Displays the value of the specified label key.
`${__field.labels.__values}`	Same as Syntax	`PBI, 3`	Displays the values of the labels separated by a comma (without label keys).

If the value is an empty string after rendering the expression for a particular field, then the default display method is used.

Max

Lets you set the maximum value used in percentage threshold calculations. Leave blank for auto calculation based on all series and fields

Min

Lets you set the minimum value used in percentage threshold calculations. Leave blank for auto calculation based on all series and fields

No value

Enter what Grafana should display if the field value is empty or null. The default value is a hyphen (-).

Unit

Lets you choose what unit a field should use. Click in the **Unit** field, then drill down until you find the unit you want. The unit you select is applied to all fields except time.

Custom units

You can use the unit dropdown to also specify custom units, custom prefix or suffix and date time formats.

To select a custom unit enter the unit and select the last `Custom: xxx` option in the dropdown.

- `suffix:<suffix>` for custom unit that should go after value.
- `time:<format>` For custom date time formats type for example `time:YYYY-MM-DD`. See formats for the format syntax and options.
- `si:<base scale><unit characters>` for custom SI units. For example: `si: mF`. This one is a bit more advanced as you can specify both a unit and the source data scale. So if your source data is represented as milli (thousands of) something prefix the unit with that SI scale character.
- `count:<unit>` for a custom count unit.
- `currency:<unit>` for custom a currency unit.

You can also paste a native emoji in the unit picker and pick it as a custom unit:

{{< figure src="/static/img/docs/v66/custom_unit_burger2.png" max-width="600px" caption="Custom unit emoji" >}}

String units

Grafana can sometime be too aggressive in parsing strings and displaying them as numbers. To make Grafana show the original string create a field override and add a unit property with the `string` unit.