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Python units/quantities packages

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Last update **2016 May 9 20:40:39**

There are far too many different packages for unit conversion / quantities calculations in Python. Developers should cooperate on one package instead of fragmenting development across many different ones. This documents which features are supported by each package.

	Last update	Website	PyPI DLs/month	Last Update	Built-in units	Built-in constants	Arbitrary prefixes	np scalar array	np object array	Decimal	Fraction	Uncertainti
scipy.constants	2016 Mar 7 03:52:06	scipy.org/...	167,385	2015 Oct 24	**Yes** 50	**Yes** 400 in CODATA	**No**	- no unit objects	- no unit objects	- no unit objects	- no unit objects	- no unit objects
sympy.physics.units	2016 Mar 7 03:52:06	sympy.org/...	55,424	2015 Sep 3	**Yes** 200?	**Yes**	- u.mega*u.meter but not u.megameter	**No**	**Yes** array([1, 2, 3])*u.m	- converts to sympy	- converts to sympy	
Pint	2016 May 9 20:40:39	github.com/...	35,746	2016 Mar 2	**Yes**	**Yes**	**Yes** Mm, GV, etc.	**Yes** array([1,2,3])*ureg.m or ureg.m*array([1,2,3])	**No** ValueError	**Yes**	**Yes**	**Yes** built-in
astropy.units	2016 Mar 7 03:54:44	astropy.org/...	11,358	2016 Jan 8	**Yes**	**Yes**	**No**	**Yes**	-			
Quantities	2016 Mar 7 03:54:44	readthedocs.org	3,917	2016 Feb 21				**Yes** array([1,2,3]) * pq.J				
Units	2016 Mar 7 03:52:06	bitbucket.org/...	1,376	2013 Oct 28								
numericalunits	2016 Mar 7 03:54:44	python.org/...	445	2016 Feb 20								
SciMath Units	2016 Mar 7 03:56:59	readthedocs.org/...	430	2015 Nov 4								**Yes** built-in
Buckingham	2016 Mar 7 03:56:59	github.com/...	361	2016 Jan 27	**Yes** 53	**No**	**Yes**					
Unum	2016 Mar 7 03:52:06	bitbucket.org/...	334	2015 Jan 27								
natu	2016 Mar 7 03:52:06	github.io/...	315	2014 Aug 8	**Yes**	**Yes** 40	**Yes**	**Yes** m*array([1, 2, 3])	**Yes** array([1, 2, 3])*m	**No**	**No**	**Yes**
misu	2016 Mar 7 03:52:06	github.com/...	308									

	Last update	Website	PyPI DLs/month	Last Update	Built-in units	Built-in constants	Arbitrary prefixes	np scalar array	np object array	Decimal	Fraction	Uncertainti
Magnitude	2016 Mar 7 03:52:06	juanreyero.com/...	238		**Yes**	**Yes**	**Yes**					
udunitspy	2016 Mar 7 03:52:06	github.com/...	188									
DimPy	2016 Mar 7 03:52:06	cam.ac.uk/...	0									
Scalar	2016 Mar 7 03:52:06	russp.us/...	0	2008 Mar 18								
ScientificPython PhysicalQuantities	2016 Mar 7 03:52:06	cnrs-orleans.fr/...	0									

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  Last contributor *2016-05-09 20:40:39*
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