

PIDINST Metadata

The RDA WG PIDINST

ENVRI-FAIR Training - February 4, 2021



<https://github.com/rdawg-pidinst/schema/blob/master/schema.rst>

ID	Property	Obligation	Occ	Definition	Allowed values, constraints, remarks
1	Identifier	M	1	Unique string that identifies the instrument instance	PIDINST
1.1	identifierType	M	1	Type of the identifier	Controlled list of values: PIDINST
2	LandingPage	M	1	A landing page that the identifier resolves to	URL
3	Name	M	1	Name by which the instrument instance is known	Free text
4	Owner	M	1-n	Institution(s) responsible for the management of the instrument. This may include the legal owner, the operator, or an institute providing access to the instrument.	
4.1	ownerName	M	1	Full name of the owner	Free text
4.2	ownerContact	O	0-1	Contact address of the owner	Electronic mail address
4.3	ownerIdentifier	O	0-1	Persistent identifier of the owner	Free text, must be globally unique identifiers.

5	Manufacturer	M	1-n	The instrument's manufacturer(s) or developer. This may also be the owner for custom build instruments	
5.1	manufacturerName	M	1	Full name of the manufacturer	Free text
5.2	manufacturerIdentifier	O	0-1	Persistent identifier of the manufacturer	Free text, must be globally unique identifiers.
5.2.1	manufacturerIdentifierType	O	1	Type of the identifier	Free text
6	Model	R	0-1	Name of the model or type of device as attributed by the manufacturer	
6.1	modelName	R	1	Full name of the model	Free text
6.2	modelIdentifier	O	0-1	Persistent identifier of the model	Free text, must be a globally unique identifier.
6.2.1	modelIdentifierType	O	1	Type of the identifier	Free text
7	Description	R	0-1	Technical description of the device and its capabilities	Free text
8	InstrumentType	R	0-1	Classification of the type of the instrument	Free text
9	MeasuredVariable	R	0-n	The variable(s) that this instrument measures or observes	Free text

10	Date	R	0-n	Dates relevant to the instrument	ISO 8601
10.1	dateType	R	1	The type of the date	Controlled list of values: <ul style="list-style-type: none"> Commissioned, DeCommissioned, ...
11	RelatedIdentifier	R	0-n	Identifiers of related resources	Free text, must be globally unique identifiers.
11.1	relatedIdentifierType	R	1	Type of the identifier	Controlled list of values: <ul style="list-style-type: none"> PIDINST, DOI, Handle, URL, URN, ...
11.2	relationType	R	1	Description of the relationship	Controlled list of values: <ul style="list-style-type: none"> IsDescribedBy, IsNewVersionOf, IsPreviousVersionOf, HasComponent, IsComponentOf, References, HasMetadata, ...

12	AlternatIdentifier	R	0-n	Identifiers other than the PIDINST pertaining to the same instrument instance. This should be used if the instrument has a serial number. Other possible uses include an owner's inventory number or an entry in some instrument data base.	Free text, should be unique identifiers
12.1	alternatIdentifierType	R	1	Type of the identifier	Free text. Mandatory if AlternatIdentifier is used. Suggested values include: <ul style="list-style-type: none"> serialNumber, inventoryNumber, ...

Example



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Macromolecular Crystallography station 14.1

4 Jan 2021 by Helmholtz-Zentrum Berlin für Materialien und Energie

The Macromolecular Crystallography (MX) group at the Helmholtz-Zentrum Berlin (HZB) is operating three state-of-the-art synchrotron beamlines for MX at BESSY II in Berlin (Heinemann et al., 2003; Muel

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