Leica System 1200

DXF Data Output

A number of DXF output options are supplied to give different solutions.

Both 2D and 3D output formats are included.

The Format Manager used to create these DXF Data Outputs does not have any arithmetic or branching functionality so that text information is always written to the right of the point with the text 'hot spot' at the same location as the point. In some of the outputs, text is written to a single Layer with the text in a single line. In others, the text is on different Layers, but written as described above, so that if all the Layers are switched on together, the text appears to overwrite.

The ***System 1200*** Data Output option does not have the capacity to hold the large amount of records to be found in a DXF file Header. The Header portion of a DXF file usually contains information relating to the limits of the data calculated from the co-ordinates contained in the data set. As this is not possible with the ***System 1200*** Data Output it is likely that you will not immediately see your data when it is imported into AutoCAD®, or your CAD package. Use **View, Zoom, Extents**, or the equivalent in your CAD package, to see the data. If the data appears very small, or against the edge of your screen, you may also need to use the **Pan** and **Window** options to obtain the optimum view of your data.

dxf3DP_1200

This option creates a **3D** DXF file of the measured points, which are placed in a layer called **Point,** using a cross symbol named **CROSS**.

+

dxf3DPC_1200

This option creates a **3D** DXF file of the measured points, which are placed in a layer called **Point,** using a cross symbol. The Point Numbers are placed in the layer **Pt_no** and the Codes, recorded in Code field in the Codelist, are placed in the layer **Code**. There is not sufficient scope to move the text fields so both the Point Number and Code are placed adjacent to the cross but on different layers.

+ PointId + Code

dxf3DP+C_1200

This option creates a **3D** DXF file of the measured points, which are placed in a layer called **Point,** using a cross symbol. The Point Numbers and the Codes, recorded in Code field in the Codelist, are placed in the layer **Code**. A space is placed in front of the Point Number and another between the Point Number and the Code.

+ `PointId Code`

dxf2DPC_1200

This option creates a **2D** DXF file of the measured points, which are placed in a layer called **Point,** using a cross symbol. The Point Numbers are placed in the layer **Pt_no** and the Codes, recorded in Code field in the Codelist, are placed in the layer **Code**. There is not sufficient scope to move the text fields so both the Point Number and Code are placed adjacent to the cross but on different layers.

+ `PointId`   + `Code`

dxf2DP+C_1200

This option creates a **2D** DXF file of the measured points, which are placed in a layer called **Point,** using a cross symbol. The Point Numbers and the Codes, recorded in Code field in the Codelist, are placed in the layer **Code**. A space is placed in front of the Point Number and another between the Point Number and the Code.

+ `PointId Code`

dxf3DC+H_1200

This option creates a **3D** DXF file of the measured points, which are placed in a layer called **Point,** using a cross symbol. The Height is placed in the layer **Height**.

+ `Height`

dxf2DC+H_1200

This option creates a **2D** DXF file of the measured points, which are placed in a layer called **Point,** using a cross symbol. The Height is placed in the layer **Height**.

+ `Height`

dxf3DH_1200

This option creates a **3D** DXF file of the measured points, which are placed in a layer called **Point,** with 3D co-ordinates as a dot. The Height is placed in the layer **Height**.

- `Height`

dxf3DPH_1200

This option creates a **3D** DXF file of the measured points, which are placed in a layer called **Point,** with 3D co-ordinates as a dot. The Point Number and Height are placed in the layer **Height**. A space is placed in front of the Point Number and another between the Point Number and the Height.

- `PointId Height`

dxf2DH_1200

This option creates a **2D** DXF file of the measured points, which are placed in a layer called **Point,** with 2D co-ordinates as a dot. The Height is placed in the layer **Height**.

- `Height`

dxf2DPH_1200

This option creates a **2D** DXF file of the measured points, which are placed in a layer called **Point,** with 2D co-ordinates as a dot. The Point Number and Height are placed in the layer **Height**. A space is placed in front of the Point Number and another between the Point Number and the Height.

- `PointId Height`

dxfPCENH_1200

This option creates a **3D** DXF file of the measured points, which are placed in a layer called **Point,** using a cross symbol. The Point Numbers, Codes, Eastings, Northings and Height are placed in the layer **Code**. A space is placed in front of the Point Number and commas separate the remaining fields.

+ `PointId,Code,Eastings,Northings,Height`

e.g.

+ 27,PLP,1106.525,1098.584,102.885

is the text written against a point with:

Point Number	**27**
Code	**PLP**
Eastings	**1106.525m**
Northings	**1098.584m**
Height	**102.885m**

Dxf1200

This option creates a **3D** DXF file of the measured points, which are placed in a layer called **Point,** using a cross symbol. The Point Numbers are placed in the layer **Pt_id**, the Codes in the layer **Code**, the Height in the layer **Height** and the Eastings, and Northings and are placed in the layer **Co_ords**. A space is placed in front of the Eastings and between the Eastings and Northings.

+ PointId   + Code   + Height   + Eastings Northings

Layer			Point	Height	Pt_no	Code	Co-ords	Pt_id
	3D / 2D							
dxf3DP_1200	3D		**+**					
dxf3DPC_1200	3D		**+**		Point Id	Code		
dxf3DP+C_1200	3D		**+**			Point Id Code		
dxf2DPC_1200		2D	**+**		Point Id	Code		
dxf2DP+C_1200		2D	**+**			Point Id Code		
dxf3DC+H_1200	3D		**+**	Height				
dxf2DC+H_1200		2D	**+**	Height				
dxf3DH_1200	3D		**.**	Height				
dxf3DPH_1200	3D		**.**	Point Id Height				
dxf2DH_1200		2D	**.**	Height				
dxf2DPH_1200		2D	**.**	Point Id Height				
dxfPCENH_1200	3D		**+**			Point Id Code Eastings Northings Height		
Dxf1200	3D		+	Height		Code	Eastings Northings	Point Id

Surveying

These Format Files output data collected using ***Leica System 1200 TPS*** and ***GPS*** Instruments

Codes

The Codes placed in the layer `CODE` are the contents of Point Code field in the Codelist.
The Code must always be recorded before the Measurement.

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