

Especially designed for

METROLOGY

FAGOR DRO NVP 200/201 QC

With this model, you can turn a simple profile projector or a microscope into a powerful two-dimensional measuring and calculating machine.



Keyboard

Fiber optic detector



Toggles between Edge detector mode and Crosshair mode.



Toggles between automatic and manual point capturing modes.

Measuring



Point measuring:
To enter a point.



Line measuring:
To measure a line with a minimum of 2 points and a maximum of 50.



Circle measuring:
To measure a circle with a minimum of 3 points and a maximum of 50.

Features



Compensate for part skew.



Enter a tolerance value for a taken measurement.



Create an element: Point, Line, Circle, parallel line, perpendicular or bisector.



Access the program menu to Edit, Execute or Delete a program.



Store the taken measurement into permanent memory.

Calculations



Calculate the distance between two elements.



Calculate the angle between two elements.



Calculate the intersection between two elements.

Assistance



Activate the "repeat" mode for measuring several elements or several points of an element.



Display the auxiliary axis.



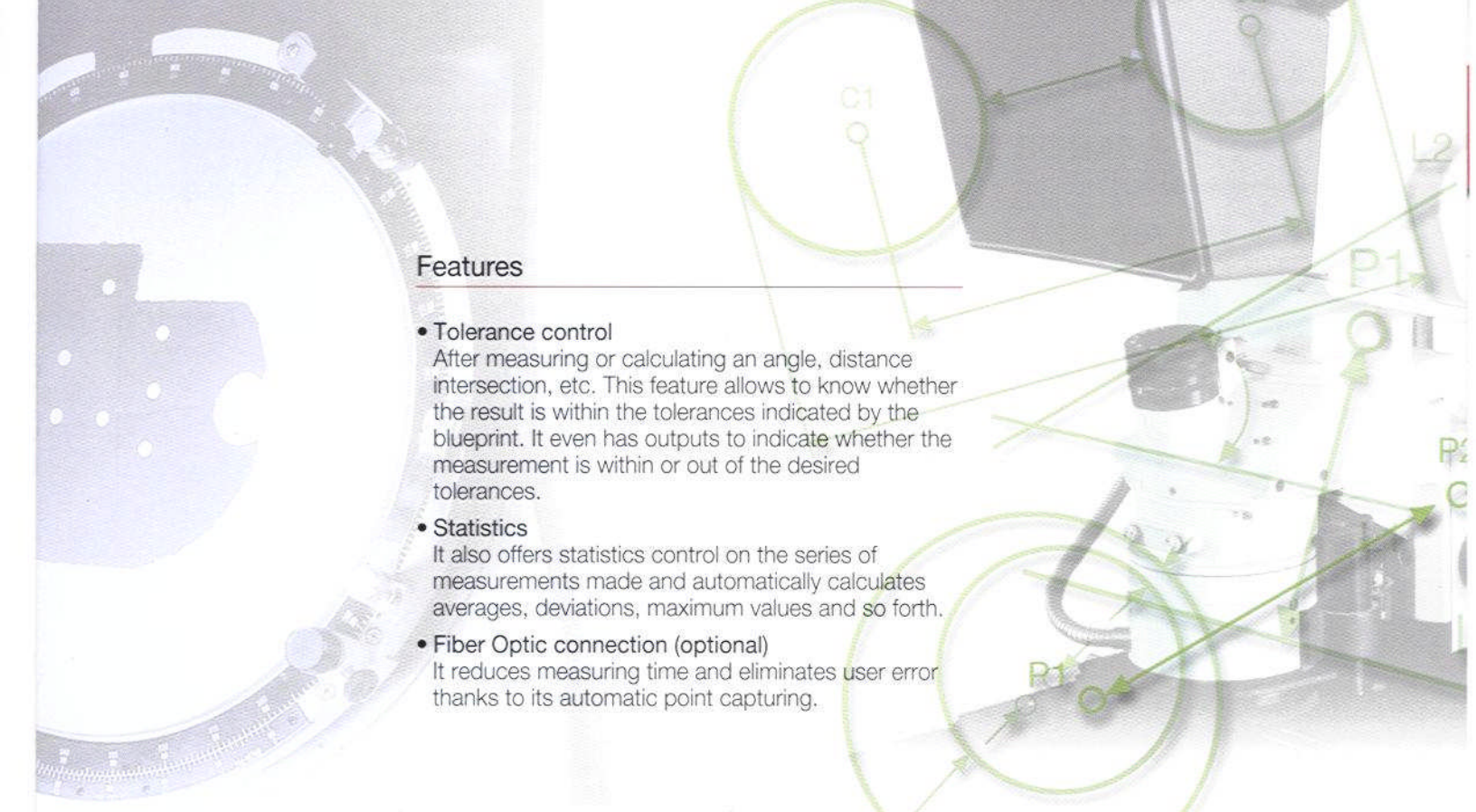
Toggle the values between Polar and Cartesian coordinates. In Polar display, the X axis display shows the module and the Y axis display shows the angle.



Degrees, minutes, seconds.
Degrees.



Millimeters and inches.



Features

- **Tolerance control**
After measuring or calculating an angle, distance intersection, etc. This feature allows to know whether the result is within the tolerances indicated by the blueprint. It even has outputs to indicate whether the measurement is within or out of the desired tolerances.
- **Statistics**
It also offers statistics control on the series of measurements made and automatically calculates averages, deviations, maximum values and so forth.
- **Fiber Optic connection (optional)**
It reduces measuring time and eliminates user error thanks to its automatic point capturing.

General Characteristics



2D measuring	<ul style="list-style-type: none">• Points: 1 to 50• Lines: 2 to 50 points• Circles: 3 to 50 points
Calculations	Distances, angles, intersections, part skew, etc.
Multi-point function	Up to 50 points per element
Shape error indicators	<ul style="list-style-type: none">• Points• Lines• Circles
Internal permanent memory	For 100 results
Memory	For up to 100 programs or 320 steps
Print	Simple, full and special format for spreadsheets
Communications	Access to a printer or PC for sending out reports or uploading/downloading programs
Languages	6 plus another one defined by user
Error correction	<ul style="list-style-type: none">• Linear• Point to point
Auxiliary axis	To rotate the screen of the profile projector or to focus the microscope
Outputs	To indicate within or out of tolerance
Inputs	<ul style="list-style-type: none">• For zero setting the axes• For fiber optic detection• For footswitch connection