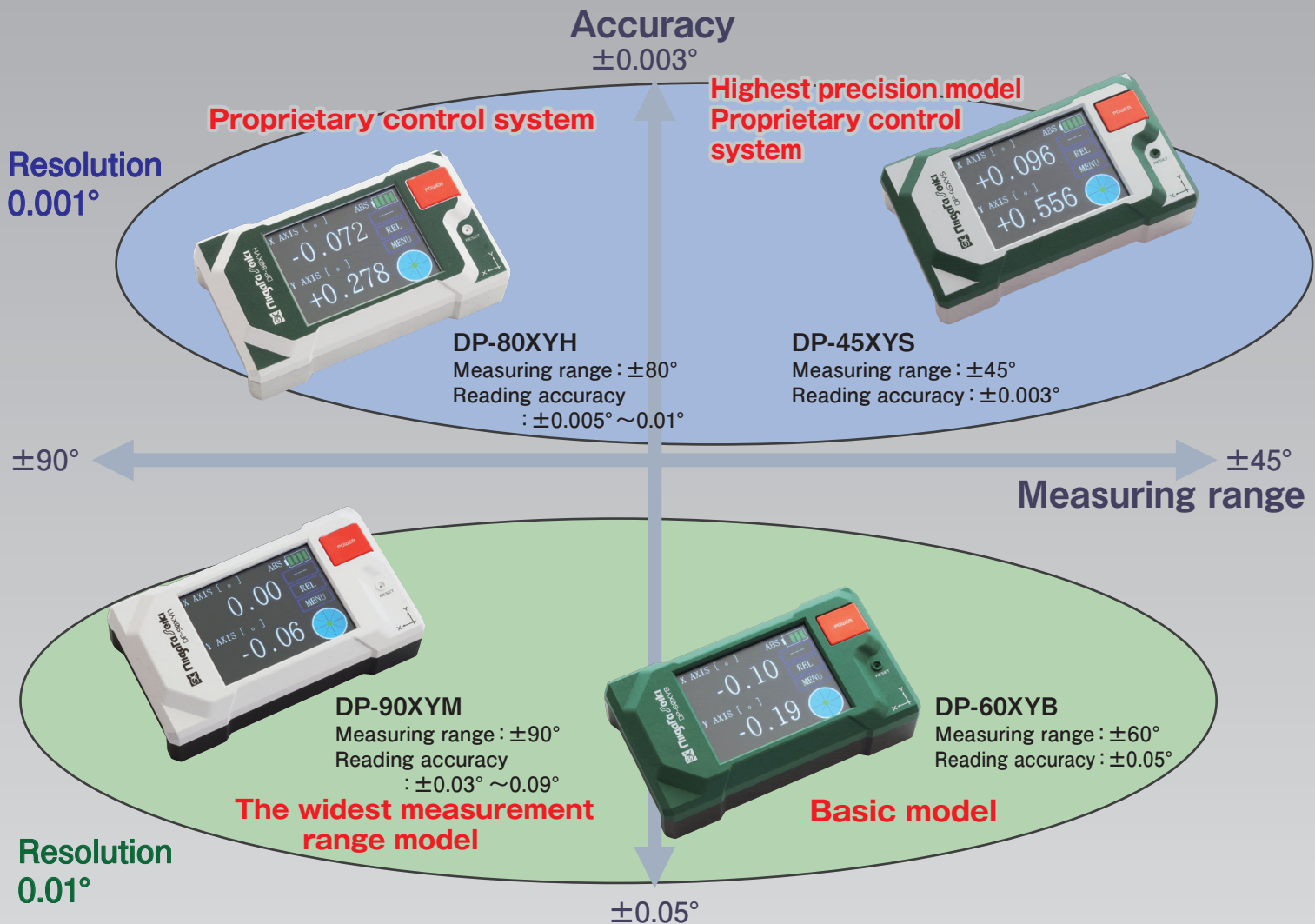# SK Niigata Seiki

High-spec and compact.
Rugged enough for on-site use.

Digital protractors designed with customer needs in mind are finally complete!

NEW LEVELNIC SERIES - DIGITAL PROTRACTORS

Accuracy ±0.003°

Proprietary control system

Highest precision model Proprietary control system

Resolution 0.001°

DP-80XYH
Measuring range : ±80°
Reading accuracy : ±0.005°～0.01°

DP-45XYS
Measuring range : ±45°
Reading accuracy : ±0.003°

±90° ←———————————————→ **±45°**

Measuring range

DP-90XYM
Measuring range : ±90°
Reading accuracy : ±0.03°～0.09°
The widest measurement range model

DP-60XYB
Measuring range : ±60°
Reading accuracy : ±0.05°
Basic model

Resolution 0.01°

±0.05°

― 7 key features ―

Highest precision ±0.003°

Lineup of precision ranging from ±0.05° to ±0.003° to meet various customer needs

Proprietary advanced control technology

A fusion of multiple measurement control techniques from various engineering perspectives. Incorporates a completely original control theory never seen before.

Exceptional durability

Humidity

Vibration

Shock

Static electricity

· Ingress Protection rating : IP54
※DP-45XYS, DP-80XYH DP-90XYM

· IEC/JIS compliant vibration and shock resistance
※DP-45XYS, DP-80XYH DP-90XYM

· High electrostatic resistance

Excellent Visibility LCD

- 2.8-inch color LCD display (Resistive touch panel)
- IPS structure for 360° high visibility
  ※Excluding DP-60XYB

Multiple communication interfaces supported

RS-232C, Bluetooth compatibility
※Custom options available for RS-485, UART, CAN, etc.
※Future firmware updates will support Wi-Fi connectivity

Fast charging Function USB-C

Charge time : 1.5 hours
※DP-45XYS, DP-80XYH, DP-90XYM
Charge time : 2 hours
※DP-60XYB

Long continuous use

- 12 hours : DP-45XYS DP-80XYH
- 10 hours : DP-90XYM
- 8 hours : DP-60XYB

Fully customizable to your needs.
Feel free to consult us for specific requirements.

― Specifications ―

Measurement accuracy at 20℃ operating temperature

DP-45XYS

Measuring range	: ±45°
Min. reading	: 0.001° (0.01mm/m)
Reeding accuracy	: ±0.003° (Full measurement range)
Communication interface	: RS-232C (RS-485,UART,CAN)
Wireless interface	: Bluetooth (Wi-Fi)
Display	: 2.8-inch color LCD (Resistive touch Panel) 360° high visibility with IPS structure
Ingress Protection rating	: IP54
Vibration resistance	: IEC/JIS C60068-2-6 Compliant
Shock resistance	: IEC/JIS C60068-2-27 Compliant
Power supply	: Lithium polymer battery (built-in)
Continuous use time	: 12 hours
Charging time	: 1.5 hours ※Equipped with fast charging function
Order No.	: 010109

DP-80XYH

Measuring range	: ±80°
Min. reading	: 0.001° (0.01mm/m)
Reeding accuracy	: ±0.005° (Angle range : 0.00°～20.00°) ±0.008° (Angle range : 20.01°～40.00°) ± 0.01° (Angle range : 40.01°～80.00°)
Communication interface	: RS-232C (RS-485,UART,CAN)
Wireless interface	: Bluetooth,Wi-Fi
Display	: 2.8-inch color LCD (Resistive touch Panel) 360° high visibility with IPS structure
Ingress Protection rating	: IP54
Vibration resistance	: IEC/JIS C60068-2-6 Compliant
Shock resistance	: IEC/JIS C60068-2-27 Compliant
Power supply	: Lithium polymer battery (built-in)
Continuous use time	: 12 hours
Charging time	: 1.5 hours ※Equipped with fast charging function
Order No.	: 010108

DP-90XYM

Measuring range	: ±90°
Min. reading	: 0.01° (0.1mm/m)
Reeding accuracy	: ±0.03° (Angle range : 0.00°～20.00°) ±0.06° (Angle range : 20.01°～40.00°) ±0.09° (Angle range : 40.01°～90.00°)
Communication interface	: RS-232C (RS-485,UART)
Wireless interface	: Bluetooth,Wi-Fi
Display	: 2.8-inch color LCD (Resistive touch Panel) 360° high visibility with IPS structure
Ingress Protection rating	: IP54
Vibration resistance	: IEC/JIS C60068-2-6 Compliant
Shock resistance	: IEC/JIS C60068-2-27 Compliant
Power supply	: Lithium polymer battery (built-in)
Continuous use time	: 10 hours
Charging time	: 1.5 hours ※Equipped with fast charging function
Order No.	: 010107

DP-60XYB

Measuring range	: ±60°
Min. reading	: 0.01° (0.1mm/m)
Reeding accuracy	: ±0.05° (Full measurement range)
Communication interface	: RS-232C (RS-485,UART)
Wireless interface	: Bluetooth,Wi-Fi
Display	: 2.8-inch color LCD (Resistive touch Panel)
Power supply	: Lithium polymer battery (built-in)
Continuous use time	: 8 hours
Charging time	: 2 hours
Order No.	: 010106

― Common features ―

- Simultaneous measurement of X and Y axes (XY orthogonal accuracy : ±1%)
- USB Type-C interface
- Compatible with SK-LOG (Integrated software for measuring instruments)

【Material】 Case : Plastics
Base : Aluminum (with magnet)
【Dimensions】 L115×W66×H32mm
【Accessories】 AC adapter for charging

■Distributor