

Smart Kiln Positioning System is a measuring instrument to measure deviation of the revolving kiln from a fixed position. The longitudinal measurement is made by non-contact sensor technology.



Features

SKP System consists of three parts:-

1) Contact-less Sensor with water cooled housing made of stainless steel. Height adjustment of sensor is possible by a clamping joint. It can be mounted with pedestal for the square pipe support according to the required height of the Sensor. The distance between the pedestal and the revolving ring of the kiln has to be set according to adjusting limit values. The square tube support further more carries a supply cabinet and a terminal box each made of stainless steel.

2) Electronic unit in an enclosure of size (300x400mm). It is connected to the sensor through a cable and has multifunctional measure and transducer (output 4... 20 mA). The transducer features a temperature sensor and temperature compensation for balancing switching alterations caused by variations in temperature.

3) Media supply/cooling water controller, where the cooling water flow is maintained and the connection with housing and the supply cabinet of size (300x400mm) is made by hoses and SS fitting. The cooling water flow is observed by flow switch.

Model Code

SKP-1/A/2/1/1/2

Technical Data

General Specifications

Sensing Type	Contactless Transducer
Total Range	1000 mm
Calibration Range	± 50 mm
Absolute Accuracy	1.5 %

Electrical Specifications

Power Supply	110/230 VAC & 24VDC
Power Consumption	≤ 40 W

Output

Analogue output	4 to 20 mA
Switch output	1 NO/NC for Flow 1 NO/NC for Limit

Mechanical Specifications

Protection Degree	Sensor Head: IP 67 Controller Unit: IP 52
Housing Material	Stainless Steel 304

Ordering Code

Model	Range	Ambient Temp.	Aux. Supply	Mounting Kit	Flow Switch	Limit Switch
SKP	1 1000	A upto 100 °C	1 110 VAC	1 Pedestal	1 Flow switch	1 Available
	2 2000	B upto 150 °C	2 220 VAC	2 without	2 Flow Monitor	2 Not Available
	3 3000	C upto 200 °C	3 24 VDC			

Sample Order Code: SKP-1/A/2/1/1/2