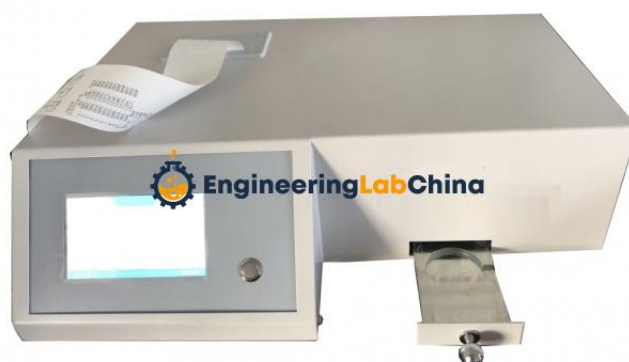


**Product Name :**  
X-Ray Sulfur-Calcium Iron Analyzer

**Product Code :**  
CHINAELABC5140002



**Description :**

X-Ray Sulfur-Calcium Iron Analyzer

**Technical Specification :**

X-ray sulfur-calcium iron analyzer is a quantitative analysis instrument, mainly used for the analysis of  $\text{SO}_3$ ,  $\text{CaO}$  and  $\text{Fe}_2\text{O}_3$  in cement raw materials, clinker and cement.

The analyzer can measure 3 compositions simultaneously.

It is convenient to control quality of clinker by measuring the content of  $\text{SO}_3$ ,  $\text{CaO}$  and  $\text{Fe}_2\text{O}_3$  in raw materials, determine the doping amount of mixed material by measuring the content of  $\text{CaO}$  in clinker and cement, control quality of cement by measuring content of  $\text{SO}_3$ .

**Technical Parameters**

Sulfur-calcium iron analyzer is designed for analyzing the content of  $\text{SO}_3$ ,  $\text{CaO}$ , and  $\text{Fe}_2\text{O}_3$  by calibration curve.

Analysis range:  $\text{SO}_3$ max- $\text{SO}_3$ min $\geq 5\%$ ,  $\text{CaO}$ max- $\text{CaO}$ min $\geq 7\%$ ,  $\text{Fe}_2\text{O}_3$ max- $\text{Fe}_2\text{O}_3$ min $\geq 5\%$

Linearity error:  $\text{SO}_3$ :  $\pm 0.11\%$ ,  $\text{CaO}$ :  $\pm 0.18\%$ ,  $\text{Fe}_2\text{O}_3$ :  $\pm 0.10\%$

Analysis time:  $30 \times n$  seconds ( $n$  is a natural number), the recommended value is 60 seconds

Analysis accuracy:  $\text{SO}_3$  $\geq 0.05\%$ ,  $\text{SCaO}$  $\geq 0.09\%$ ,  $\text{SFe}_2\text{O}_3$  $\geq 0.05\%$ .

Temperature stability: absolute drift in the range of 5 to  $40^\circ\text{C}$

$\text{SO}_3$  $\geq 0.05\%$ ,  $\text{CaO}$  $\geq 0.09\%$ ,  $\text{Fe}_2\text{O}_3$  $\geq 0.10\%$

Use condition: working temperature 5~ $40^\circ\text{C}$ , relative humidity  $\geq 85\%$  ( $30^\circ\text{C}$ ), power supply  $220\text{V} \pm 20\text{V}$ , 50Hz

Power consumption:  $\geq 50\text{W}$

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