

**Performance**

Measuring range	0.5 to 20 ppm
Sampling time	3 min
Detecting limit :	0.2 ppm
Colour change :	White → Brown
Corrections for water temperature :	Unnecessary (0 to 40°C)
pH value :	pH 4.0 to pH 11.5
Relative standard deviation :	15 % (for 0.5 to 5.0 ppm), 10 % (for 5.0 to 20 ppm)
Shelf life :	3 years

**Reaction principle****Possible coexisting substances and their interferences**

Substance	Concentration	Interference	Changes colour by itself to
Sulphite ion	SO <sub>3</sub> <sup>2-</sup> ≤ 20 ppm	No	No (≤ 1 %)
Chloride ion	Cl <sup>-</sup> ≤ 100 ppm	No	No (≤ 5 %)
Hexavalent chromium	Cr <sup>6+</sup> ≥ 0.2 ppm	—	Yellow (≥ 1 ppm)
Carbonate ion	CO <sub>3</sub> <sup>2-</sup> ≤ 500 ppm	No	No (≤ 1 %)
Thiosulphate ion	S <sub>2</sub> O <sub>3</sub> <sup>2-</sup> ≤ 20 ppm	No	No (≤ 1 %)
Iodide ion	I <sup>-</sup> ≤ 200 ppm	No	Yellow (≥ 3000 ppm)
Sulphate ion	SO <sub>4</sub> <sup>2-</sup> ≤ 100 ppm	No	No (≤ 1 %)
Phosphate ion	PO <sub>4</sub> <sup>3-</sup> ≤ 100 ppm	No	No (≤ 1 %)

**Calibration method**

Sodium sulphide ion standard solution