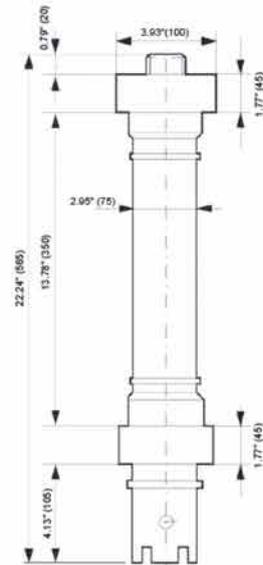


Nitrate: chemical said of Nitrate is NO_3^- . Analysis system use delivery type analysis digital sensor, using ion optional sensor and reference sensor to test the content of Nitrate. Ion optional sensor includes NO_3^- optional dissepiment. When NO_3^- was appeared in sample, the dissepiment will engender voltage and be tested by reference sensor. At every time, the analysis monitor the result of calculation, it uses the two-point calibration. The result of calibration be calculated by equipment, and the result is indicated by ppm. With automatic cleaning function.



Digital Nitrate Electrode

Article-No.486 7000 II

Technische Daten

Measuring range	0.1...1200ppm NH_4 0.3...30000ppm NO_3
Measuring principle	Ion selective electrodes for NH_4 , NO_3
Compensation	Fixed value or online compensation of pH, K^+ , Na^+ , Cl^- , NO_2^-
Reference electrode	KCL double reference system
Automatic cleaning	Valve included in sensor holder Air hose connection $\frac{1}{4}$ " Max. air pressure 3.5 bar / 50.8 psi Air volume for 10 sec: max 50 litre
Measuring accuracy	$\pm 5\%$ full scale
Sensitivity NH_4 to Potassium K^+	1:25
Sensitivity NH_4 to Sodium Na^+	1:1000
Sensitivity NO_3 to Chloride Cl^-	1:200
Sensitivity NO_3 to Nitrite NO_2^-	1:100
Sensitivity to Iodide I^-	1:1
Process temperature	0...+60°C / +32...+140°F
Process pressure	Max. 0.5 bar / 7.3 psi
Life time expectation	ISE electrodes 4...6 month (typical) Reference electrode 6...12 month (typical)
pH range	2...12pH for NO_3 2...8pH for NH_4 8...12pH for NH_4 with pH compensation