Turbidity, color, chlorine triple multifunction analyzer

Model: APEX-LJ840

Standard: ISO 7027&EPA 180.1

Introduce: Introduction: Turbidity, color, chlorine triple multifunction analyzer Industry-leading accuracy, sensitivity and reliability, is one of the most in…

Detailed product information

Introduction:
Turbidity, color, chlorine triple multifunction analyzer
Industry-leading accuracy, sensitivity and reliability, is one of the most innovative instrument in the measurement of turbidity, color, chlorine market.

Features:
APEX-LJ840 using infrared LED light source, in line with the requirements of the ISO 7027 standard.
Is ideal for measuring low levels of drinking water and the field of high turbidity water
Six detector is designed in a variety of use cases are guaranteed long-term stability
Special focusing optics design
Advanced infrared emission light source
Vitro positioning ring limits the location of the test bottle variability, a greater degree of sensitivity and accuracy can be obtained
The MSP430 microcontroller handheld applications on the market, the most advanced controller, using advanced calibration algorithms
Supports six languages: English, Spanish, French, Japanese, Italian and Portuguese
4000 sets of data access, store the results directly on the instrument tour or download to your PC
Compatible with existing Smart Link 2 software
Graphic LCD display, easy to read
Simple menu prompts

Instrument characteristics

Battery:	9V
AC Power Supply:	Optional
Data Access:	4000 sets
Automatic shutdown:	None, 5, 10, 30
Language:	English, Spanish, French, Japanese, Italian, and Portuguese
Response time:	<5 seconds

Main specification:
Turbidity
Design standards in line with the use of optical turbidimeter turbidity quantitative method ISO 7027/EPA 180.1
Use of micro-focusing optics
Two users to select the factory calibration mode
- Formalin
- Japan polystyrene turbidity mode (Japanese waterworks Rules)
Formalin, a styrene divinyl benzene beads suspension (AMCO), can easily be precise field calibration
The average time of a user selection signal (none, 2,5 or 10)
At very low turbidity levels, improve accuracy, with no turbidity of the water as a blank, 0:00 calibration and allows

Parameters:
Measurement modes: NTU / FNU / FAU / ASBC / EBC
Range :0-4000
Resolution: 0.01NTU/FNU 0.00-10.99
0.1 NTU / FNU 11.00-109.9
1 NTU / FNU 110-4000
Accuracy: ± 2%
Detection limit: 0.05 NTU / FNU
Range selection: automatic
Repeatability: 0.02 NTU / FNU
0.5 FAU
Stray light: <0.02NTU FNU
Light Source: 860nm LED (ISO)
Tungsten lamp (EPA)
The average time of the signal: No, 2, 5, 10

Residual chlorine
To transcend EPA330.5 design standards
Liquid and tablet DPD chlorine and total chlorine calibration
To complete a wide range of measurement with the same sample cell and reagent dosage
Low concentrations detected
User selectable modes ppm or mg / L

Parameter
Range :0-10ppm
Resolution: 0.01ppm (0-5) / 0.1ppm (5-10)
Accuracy: 0.05 or ± 2%
Detection limit: 0.02ppm
Response time: <5 seconds
Light Source: 525nm LED

Chroma
UV LED and micro-focusing optics can achieve a low detection limit
Turbidity and chlorine test using the same vial

Parameter
Range :0-500cu
Resolution: 0.1cu (0-99.9cu)
Accuracy: ± 0.5cu or 2%
Detection limit: 0.2cu
Response time: <5 seconds
Light Source: UV LED 375nm