

A & A CORPORATION

Chlorine Analyzer



ABOUT

The SMART ABFC chlorine sensor (non-reagent type) is used for measuring the concentration of chlorine present in sample water, such as chlorine (Cl_2) hypochlorous acid (HClO), and hypochlorite ion (ClO^-). The SMART ABFC determines the chlorine concentration by measuring voltage corresponding to the diffusion current between the indicator and counter electrodes and by applying temperature compensation to the diffusion current.

Advantages

For no reagent and membrane in the Chlorine probe, this sensor significantly lowers the operating cost and maintenance

- The sensor can work with all terminals which can receive the RS485 signals.
- IP65 Dust and Water Proof Structure
- Temperature and pH Compensation
- Factory pre-calibration for easy setup and field calibration for more accuracy
- Standard Modbus RTU Protocol, Directly Connected with PLC, HMI, Eliminate I/O Module Cost
- Fully compatible with PC software ViewTM for easy setup and data logging

Measuring Principle : Polarographic method using rotating electrode

- Temp. Compensation : Automatically, by an integrated temperature sensor
- pH Compensation : Automatic pH measurement and compensation
- Size & Weight : 5.31 x 5.12 x 2 inch & 2 lb (135x130x50mm & 0.9 kg) with Flow Cell
- CE Marking : EN 61326-1:2013 Electro magnetic Compatibility EMC
- Protection : IP 68
- Interface Modbus : RS485
- Power : 24VDC, 40mA
- Digital Interface : RS485 Modbus RTU



CERTIFICATES



Certificate

This is to Certify that
M/S. A & A CORPORATION
(Brand Name: - Manjeera)

Address: 6-3-186, Jay Nagar Colony, New Bhoiguda, Hyderabad,
Telangana-500003, India
Factory Add.- 105, Shyam Ind. Estate, Bakrol Bujrang, Tal-Daskroi,
Ahmedabad, Gujarat-382430, India
Factory (II):- S. No 116/6, Chavan Baug, Pune-411041, Maharashtra, India

has been found in Compliance with requirements of
Quality Management System

ISO 9001:2015

for the following scope:

CHLORINE ANALYSERS, ELECTROMAGNETIC FLOW METER,
ULTRASONIC FLOW METER, WATER METER, PP SADDLES,
COMPRESSION FITTINGS, HDPE PIPE, COMPOSITE PIPE AND
FITTINGS, FLOW CONTROL VALVE, GI, CI, PVC, MS, DI PIPE AND
FITTINGS, BRASS VALVE, SLUICE VALVE AND SS TAPS, PP
INTEGRATED SADDLES AND MDPE PIPE

Certificate No. : QMS/022752/0621
Original Certificate Date : 29-June-2021
Issue Date : 28-June-2024
Expiry Date : 27-June-2027

To check this certificate status visit:
"http://uasl.uk.com/certifiedorganization"



"Quality Control Certification (QCC)" accredited by "UASL, England, UK". This certificate remains the property of "QCC" to whom it must be returned on request.

Quality Control Certification

UK Office: 82, ADLEY STREET,
LONDON - E5 0DZ, United Kingdom
India Office: 2nd Floor, Aman Market,
Narela Mandi, Delhi - 110 040, India



Certificate of Compliance

This is to Certify that
M/S. A & A CORPORATION
(Brand Name: - Manjeera)

Head Office: 6-3-186, Jay Nagar Colony, New Bhoiguda, Hyderabad,
Telangana-500003, India
Factory Add.- 105, Shyam Ind. Estate, Bakrol Bujrang, Tal-Daskroi,
Ahmedabad, Gujarat-382430, India

Factory (II):- S. No 116/6, Chavan Baug, Pune-411041, Maharashtra, India
is in Compliance with

Water Meters for Cold Potable Water and Hot Water

ISO 4064-2:2014

for the following scope:

Manufacturing of Water Meters, Gas Meters, Flow Meters, Pressure Meters,
Ultrasonic Water Meter, Electromagnetic Flow Meter

Certificate No. : WMFC/A32D/0224
Original Certificate Date : 03-February-2024
Issue Date : 03-February-2024
Expiry Date : 02-February-2027

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Quality Control Certification

UK Office: 82, Adley Street,
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Narela Mandi, Delhi - 110 040, India



Certificate

This is to Certify that
A & A Corporation
(Brand name:- MNJ-RSVP & MANJEERA)

Head Office:- 6-3-186, Jay Nagar Colony, New Bhoiguda,
Hyderabad, Telangana-500003, India

has been found in Compliance with requirements of
Environmental Management System

ISO 14001:2015

for the following scope:

Manufacturer and Supplier of Gas Chlorination Systems, Chlorinators Like
Vacuum Feed, Gravity Feed, Cylinder / Tonner Mounted, Pedestal Mounted
System, Electro Chlorinator - batch Process, Chlorine Analyzer, Water Meter,
Flow Meter, Sodium Hypochlorite System, WTP, STP and Continuous Process

Certificate No. : EMS/012018/0919
Original Certificate Date : 10-September-2019
Issue Date : 09-September-2022
Expiry Date : 08-September-2025

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Quality Control Certification

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LONDON - E5 0DZ, United Kingdom
India Office: 2nd Floor, Aman Market,
Narela Mandi, Delhi - 110 040, India



Certificate

This is to Certify that
A & A Corporation
(Brand name:- MNJ-RSVP & MANJEERA)

Head Office:- 6-3-186, Jay Nagar Colony, New Bhoiguda,
Hyderabad, Telangana-500003, India

has been found in Compliance with requirements of
Occupational Health and Safety Management Systems

ISO 45001:2018

for the following scope:

Manufacturer and Supplier of Gas Chlorination Systems, Chlorinators Like
Vacuum Feed, Gravity Feed, Cylinder / Tonner Mounted, Pedestal Mounted
System, Electro Chlorinator - batch Process, Chlorine Analyzer, Water Meter,
Flow Meter, Sodium Hypochlorite System, WTP, STP and Continuous Process

Certificate No. : OHSMS/012019/0919
Original Certificate Date : 10-September-2019
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Usage

Free Chlorine and Total Chlorine analyzer and controllers measure the free residual chlorine (OCl^- and HOCl), and the total residual chlorine (free chlorine + combined chloramines). The Pi residual chlorine analyzers are amperometric membraned sensors that bring a number of advantages over traditional colorimetric analyzers, in that they are cheaper to own with no reagents and very little maintenance (once per year).

They are extremely stable and work almost anywhere you have a need to measure residual chlorine from drinking water, to pools and spas, produce washing, cooling tower disinfection and disinfection in paper and pulp industries.

APPLICATIONS:

- Chlorination System
- swimming Pool
- Drinking Water
- Monitoring Disinfectant dosing
- Monitoring Conditioning Agents





Head Office

**#6-3-186 M & N, JAINAGAR COLONY,
BHOLAKPUR, BHOIGUDA, SECUNDERABAD,
TELANGANA 500080**



Manufacturing Unit

**C-211, FLORAL DECK PLAZA, RD NUMBER 12,
SUNDER NAGAR, ANDHERI EAST, MUMBAI,
MAHARASHTRA 400093**



9133388349 / 9133377014



www.aacorp.in



info@aacorp.in