

Your vision, automated



MCOM100CT

TURBIDITY & CHLORINE ANALYZER



The MCOM100CT is a versatile and high-precision water-quality transmitter designed for real-time monitoring of turbidity or chlorine levels, depending on sensor configuration. Built for industrial, municipal, and water-treatment applications, it supports multiple sensor types and offers fully programmable measuring ranges based on the connected sensor.

Equipped with a clear LCD display, dual relay outputs, 4–20 mA retransmission, and RS485 Modbus communication, the MCOM100CT integrates easily with SCADA, PLC, and automation systems. The transmitter supports turbidity sensor (0.01–4000 NTU) and chlorine sensor (0–2/10/20 mg/L), each featuring IP68 waterproof construction, automatic temperature compensation, robust materials, and multiple calibration options. With flexible 230V AC or 24V DC supply options, the MCOM100CT provides a dependable and scalable solution for water quality monitoring in diverse operating environments.

➤ TURBIDITY

TECHNICAL SPECIFICATIONS FOR TRANSMITTER

1	Input	From Turbidity Sensor
2	Display	LCD Display
3	Range	Programmable as per sensor
4	Relay	2 Nos.
5	Retransmission	4 – 20 mA DC
6	Communication	RS485 Modbus
7	Power Supply	230V AC / 24V DC (As per requirement)

TECHNICAL SPECIFICATIONS OF SENSOR

1	Measurement range	0.01-4000 NTU
2	Accuracy	±5% or 0.5NTU, whichever is greater
3	Housing Material	POM+316 Stainless steel
4	Pressure resistance	3 Bar
5	Temperature Compensation	NTC automatic temperature compensation
6	Temperature range	0 – 45 deg C
7	Waterproof grade	IP68
8	Calibration	Standard liquid calibration, water sample calibration
9	Cable length	Standard 10m cable, can be extended to 100m
10	Installation thread	G3/4
11	Communication Output	RS485 MODBUS RTU
12	Installation Type	Sunken

➤ CHLORINE

TECHNICAL SPECIFICATIONS FOR TRANSMITTER

1	Input	From Chlorine Sensor
2	Display	LCD Display
3	Range	Programmable as per sensor
4	Relay	2 Nos.
5	Retransmission	4 – 20 mA DC
6	Communication	RS485 Modbus
7	Power Supply	230V AC / 24V DC (As per requirement)

TECHNICAL SPECIFICATIONS OF SENSOR

1	Measuring Material	Double platinum ring/3 electrodes
2	Shell Material	Glass + POM
3	Waterproof Grade	IP68
4	Measuring Range	0-2mg/L; 0-10mg/L; 0-20mg/L
5	Measuring Accuracy	±1%F.S.
6	Pressure Range	≤0.3Mpa
7	Temperature Compensation	NTC10K
8	Temperature Range	0 - 80°C
9	Calibration	Sample calibration, chlorine – free water calibration, comparison calibration
10	Connection Method	4-core cable
11	Cable Length	Standard 10m cable, optional Extended to 100 meters
12	Installation Thread	PG13.5
13	Scope of Application	Tap water, swimming pool water, etc.

MODERN COMMUNICATION TECHNOLOGY

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