

MCC

Measurement Communication Control System

The multi-talent among the measurement systems – incorporating your ideas –

If, in addition to procuring a reliable measurement system, you also have high demands as regards communication and direct data processing, you'll find that this system meets all your requirements. The MCC is a very universal, extendable measurement system from GLÖTZL that can work with all the usual communication technologies.



MCC 5.0 LT Art.Nr.: 56.10.01

The „little“ digital measurement chain system to log different types of controller chains.

Digital inputs:	2 x RS485
Analogue inputs:	Controller
Measurement channels to:	200
Measurement programs:	20
Measurement frequency:	10 Hz
Messages in ring memory:	1,000
Measured values in ring memory:	1,000,000
Power supply:	240 VAC Adapter

FUNCTIONS

Sliding average view
Filter functions
Median calculation
Differentiation of changes in value
Automatic compensation
Measured value calculation
Measured value coupling
Cascading formulas
Redundancy alignments via logical operations
Combination alarms for up to 10 groups
3-stage limit value monitoring

COMMUNICATION

LAN
USB Ready



MCC 5.0 LT I Art.Nr.: 56.10.02

The „independent“ system with GPRS data connection and extendable battery supply for standalone measurement tasks.

Digital inputs:	2 x RS485
Analogue inputs:	Controller
Measurement channels to:	200
Measurement programs:	20
Measurement frequency:	10 Hz
Messages in ring memory:	1,000
Measured values in ring memory:	1,000,000
Power supply:	240 VAC
	Optional battery and solar

FUNCTIONS

Sliding average view
Filter functions
Median calculation
Differentiation of changes in value
Automatic compensation
Measured value calculation
Measured value coupling
Cascading formulas
Redundancy alignments via logical operations
Combination alarms for up to 10 groups
3-stage limit value monitoring

COMMUNICATION

LAN, GPRS
USB Ready



MCC 5.0 S Art.Nr.: 56.01.02

The „compact“ and individually configurable measurement system.

Digital inputs:	2 x RS485
	2 x RS232
Analogue inputs:	Multiplexer
	Controller
Digital outputs:	6 x I/O
Measurement channels to:	1,000
Measurement programs:	20
Measurement frequency:	40 Hz
Messages in ring memory:	1,000
Measured values in ring memory:	4,000,000
Power supply:	240 VAC
	Optional battery and solar plant

FUNCTIONS

Sliding average view
Filter functions
Median calculation
Differentiation of changes in value
Automatic compensation
Measured value calculation
Measured value coupling
Cascading formulas
Redundancy alignments via logical operations
Programmable actions
Combination alarms for up to 50 groups
3-stage limit value monitoring

COMMUNICATION

LAN, GPRS/UMTS, GSM
Analogue, ISDN, USB Ready



MCC 5.0 L Art.Nr.: 56.01.01

The „comprehensive“ multifunctional and individually extendable large system.

Digital inputs:	4 x RS485
	2 x RS232
	6 x I/O
Analogue inputs:	20 on Board
	Multiplexer
	Controller
Digital outputs:	6 x I/O
Analogue outputs:	4 x 4-20 mA
Measurement channels to:	2,000
Measurement programs:	20
Measurement frequency:	60 Hz
Messages in ring memory:	1,000
Measured values in ring memory:	10,000,000
Power supply:	240 VAC
	battery backed
	Optional battery and solar plant

FUNCTIONS

Sliding average view
Filter functions
Median calculation
Differentiation of changes in value
Automatic compensation
Measured value calculation
Measured value coupling
Cascading formulas
Redundancy alignments via logical operations
Programmable actions
Combination alarms for up to 50 groups
3-stage limit value monitoring

COMMUNICATION

LAN, WLAN, VPN, GPRS/UMTS
Analogue, ISDN, GSM, USB Ready, and many more



MCC 5.0 19" Art.Nr.: 56.30.01

The „replaceable“ measurement cabinet variant and MFA-compatible replacement system for long-term use.

Digital inputs:	4 x RS485
	2 x RS232
Analogue inputs:	20 on Board
	Multiplexer
Measurement channels to:	2,000
Measurement programs:	20
Measurement frequency:	60 Hz
Messages in ring memory:	1,000
Measured values in ring memory:	10,000,000
Power supply:	240 VAC

FUNCTIONS

Sliding average view
Filter functions
Median calculation
Differentiation of changes in value
Automatic compensation
Measured value calculation
Measured value coupling
Cascading formulas
Redundancy alignments via logical operations
Programmable actions
Combination alarms for up to 50 groups
3-stage limit value monitoring

COMMUNICATION

LAN, WLAN, VPN
Analogue, ISDN, USB Ready, and many more

MEASURING POINT EXTENSION

Multiplexers for analogue measuring points with fixed standard power supply ¹⁾
MU 10
MU 20
MU 40

Multiplexers and controllers for the connection of sensors with different measuring types and supply - controlled by hardware
MUM 10
MUM 20
MUM 40

Multiplexers for analogue measuring points with variable programmable power supply ¹⁾
MUX 10
MUX 20
MUX 40

DC 2/4 digital measurement controller for chain instrumentation.

Extended switch group 19" ¹⁾
UA 20
UA 40

Wireless modem bridge for wireless connection of a remote controller measurement chain and digital inclinometer chain

¹⁾ not for LT versions

Accessories/Enhancements

Measurement Communication Control System

ACCESSORIES

WARNING AND SIGNAL UNITS

Alarm column
with visual and acoustic alarms

UKR signal controller for up to three output
signals

PLC signal switching, potential-free
Telenot signal unit

ALTERNATIVE POWER SUPPLIES

Uninterruptable power supply (UPS)
Battery operation enhancement
Solar support enhancement

HOUSING & INSTALLATION MATERIAL

19-inch upright housing (cabinet systems)
Fans and air conditioning
Indoor wall cabinet
Double-wall, fully insulated air conditioned
housing
Housing heating
Vandal-proof housing
Vandal protection

Housing for operation in transport routes

Lightning protection elements
Ex-proof housing
Earth anchor
Measurement and office cabine

Mast mounts
Pipe bracket mount
Wall mounting

OPTIONAL ENHANCEMENTS

COMMUNICATION

DSL router
WLAN router
GPRS modem
GPRS/GSM combination modem
ISDN industrial modem
Analogue industrial modem

Bluetooth communication module
ZigBee communication module

External antenna
Antenna masts

Digital VAISALA weather station
Air pressure, rain volume, hailstone size,
wind strength and wind direction

FUNCTIONAL ENHANCEMENTS

REAL TIME DATA VISUALISATION

External monitor with order-related
online visualisation at the customer's
request