

MCC

Measurement Communication Control System

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



MCC 5.0 LT

Art.Nr.: 56.10.01

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



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.



MCC 5.0 S

Art.Nr.: 56.01.02

The „compact“ and individually configurable measurement system.

| | |
|---------------------------------|-----------------|
| 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 |

| | |
|---------------------------------|------------|
| 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 | |

| | |
|----------------------------------|-------------|
| 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
 Combination alarms for up to 10 groups
 3-stage limit value monitoring

COMMUNICATION

LAN
 USB Ready

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

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

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 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