



## Advantages:

- **Direct wireless access to all new MESA equipment**
- **99 programs with 24 segments and 16 control track**
- **Custom alarms**
- **Diagram display**
- **Isolated RS485 / 422 Modbus, Profibus-DP, Ethernet interface**
- **Data transfer and firmware update via USB interface**
- **Up to 2 independent control loops**

## Technical Data

### Design:

ABS DIN ¼ housing for panel mounting

### Degree of Protection:

IP54 according to IEC 60529

### Dimensions:

96 x 96 x 111 mm (W x H x D)

### Control Loops:

2 control loops (Kn control, furnace temperature)  
3 PID-parameter settings per control loop  
PID or On/Off control

### Control Output Types:

Heating/cooling, gas/CO or (CO<sub>2</sub>, Endogas), valve control or analog output  
Custom designed digital outputs for process control

### Communication Interface:

Ethernet, non-isolated RS485/422

### Power Supply:

AC 85VAC...265VAC, 50-60Hz or

.

### Power Consumption:

15VA

### Display:

Color-TFT-touch-screen display, 320 x 240 pix  
16it, 3,5' with robust touch-screen

The user can define his own alarm thresholds which do not only control critical values but also activate therefor occupied outputs. Predefined alarms are triggered automatically if unexpected system conditions (probe errors, control errors, etc.) occur.

An integrated web server allows remote access to all new MESA devices.

User accounts with password protection improve the safety in usage by locking access levels, parameters and functions depending on user privileges.

**MCON Nitro** controller is available with only one or two control loops.

### Kn-Level Measuring Range:

0...99.99 Kn

### Kn-Level Measurements:

Sensor for measurement H<sub>2</sub>

### Optional:

Isolated RS485/422, Profibus

### Accessories

Standard bracket mount bars