

# REOVIB MTS

The REOVIB MTS series includes single-channel, two-channel and three-channel control units for vibratory conveyor drives. These are phase-angle control systems. The vibration frequency of the conveyor can be the same as or twice the frequency of the input voltage. (Other frequencies are possible depending on the type). Plug and socket connections for all inputs and outputs make rapid installation possible and facilitate the combination of several devices with each other or with external control systems. The devices use digital technology and are operated via a LED or LCD display and buttons. All settings can be made without the housing having to be opened.

REOVIB MTS 441 control devices have a target value setting for conveying speed. The REOVIB MTS 442 has two power outputs and the REOVIB MTS 443 has 3 power outputs, that can be linked according to the application requirements (e.g. bowl and linear conveyors). Also Various sensor and valve logic can be programmed.

All parameters of REOVIB MTS 441, 442 und 443 can be input via a display integrated into the faceplate. The devices can be used to link additional devices from the REOVIB MTS series. Application-specific settings can be stored and retrieved when required. The devices of REOVIB MTS 441 and 620 are available in protection class IP20.

Additionally the REOVIB MTS 441 is just as the REOVIB MTS 442 and 443 available in a standalone IP54 housing with various connection options:

- Complete cable connection solution for mains, output and control connections

REOVIB MTS 443-LCD has the same design as MTS 443, but with LCD display. The full-text display in various languages makes programming and adjustment easy and intuitive.

Important status indications and settings can easily be input and retrieved.

The control unit REOVIB MTS 620 is a phase-angle controller for regulating the conveying speed of vibratory feeders. All parameters can be entered via an LED display integrated in the front panel. User specific settings can be stored and recalled. The device is available in IP20.

## Advantages

### REOVIB MTS 441, 442, 443

- Phase-angle control with programmable functions  
Single-channel, two-channel or three-channel control for the optimal control of the complete conveyor system
- Digital setting of all parameters via LED display or multiline LCD display (MTS 443 LCD)
- In IP54 or IP20 design (MTS 441)
- Automatic mains voltage adjustment
- Material flow control
- Various sensor logic functions can be set
- Adjustable soft start
- With fill level/overflow control
- Integrated mains voltage compensation with constant vibration amplitude

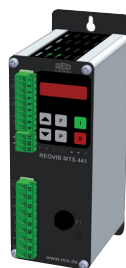
### REOVIB MTS 620

- LED display
- Possibility of connecting an external thermal contact for temperature monitoring of the magnets (as an option)
- Interchangeable fieldbus interface. The REOVIB MTS 620 can be configured according to your requirements

REOVIB MTS 441 IP54



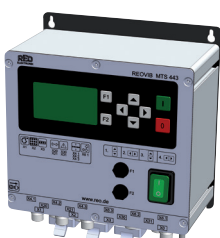
REOVIB MTS 441 IP20



REOVIB MTS 442 IP54



REOVIB MTS 443 IP54 with LCD



REOVIB MTS 620



REOVIB 2.0

NEW

IIoT-Ready

## Technical data

REOVIB programmable Phase-angle control systems MTS					
	MTS 441	MTS 442	MTS 443	MTS 443 - LCD	MTS 620
<b>Mains input</b>	110 / 230 V Auto Detect	110 / 230 V Auto Detect	110 / 230 V Auto Detect	110 / 230 V Auto Detect	230V, 400 V, 480 V switchable
<b>Mains frequency</b>	50 / 60 Hz +/- 3 Hz	50 / 60 Hz +/- 3 Hz	50 / 60 Hz +/- 3 Hz	50 / 60 Hz +/- 3 Hz	50 / 60 Hz +/- 3 Hz
<b>Output voltage</b>	20...100 V / 40...210 V	20...100 V / 40...210 V	20...100 V / 40...210 V	20...100 V / 40...210 V	210 V, 360 V, 430 V
<b>Output current</b>	max. 6 A, max. 10 A (Option)	Per output max. 6 A	Per output max. 6 A	Per output max. 6 A	25 A
<b>Number of outputs</b>	1	2	3	3	1
<b>Max. Output current from all outputs</b>	-	10 A	10 A	10 A	-
<b>Vibration frequency</b>	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)	50 / 100 Hz (60 / 120 Hz)	50 Hz (25 Hz, 33,3 Hz, 50 Hz, 100 Hz) 60 Hz (30 Hz, 40 Hz, 60 Hz, 120 Hz)
<b>Setpoint value</b>	Display, Poti 0 ... 10 V, 0 (4) ... 20 mA	Display	Display	Display	LED-Display, 0 ... 10 V, 0 (4) ... 20 mA
<b>Statussignal</b>	24 V DC	24 V DC	24 V DC	24 V DC	Relay changer 250 V, 1 A
<b>Ext. Enable</b>	24 V DC, Switch	24 V DC, Switch	24 V DC, Switch	24 V DC, Switch	24 V DC, Switch
<b>Sensor supply</b>	24 V DC	24 V DC	24 V DC	24 V DC	24 V DC (optional)
<b>Setting <math>U_{min}</math> / <math>U_{max}</math></b>	Display	Display	Display	Display	Display
<b>Soft start</b>	Adjustable 0...5 Sek.	Adjustable 0...5 Sek.	Adjustable 0...5 Sek.	Adjustable 0...5 Sek.	Adjustable 0...60 Sek.
<b>With fill level/overflow control</b>	PNP, 24 V DC	Per output PNP, 24 V DC	Per output PNP, 24 V DC	Per output PNP, 24 V DC	PNP, 24 V DC (optional)
<b>Mains voltage compensation</b>	✓	✓	✓	✓	✓
<b>Coarse/fine control</b>	✓	✓	✓	✓	✓
<b>Selectable timer function</b>	✓	✓	✓	✓	-
<b>Sensor time out monitor</b>	✓	✓	✓	✓	-
<b>Conformity</b>	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS	CE, RoHS
<b>Protection class</b>	IP20 / IP54	IP54	IP54	IP54	IP20



Our experts suggest the following AC-Magnets: WI 111, WI 121, WI 421 (6000 1/min, 3000 1/min), WI 621 (6000 1/min, 3000 1/min), WI 211, WE 131

Typical applications: Conveyor & assembly automation, conveyor technology, sieving technology, Ffilling & packaging technology