

INSTRUCTIONS FOR USE LKM153

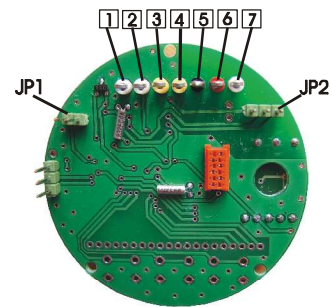
The LKM is supplied in 3 variants:

LKM153B	Variant with digital process output (RS232, USB) and Battery supply (6F22 9V)
LKM153-U	Variant with digital process output (RS232, USB) and analogue 0..10V output
LKM153-I	Variant with digital process output (RS232, USB) and analogue 4..20mA output

CONNECTIONS

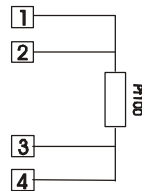
The following connections are to be wired up by the user:

JP1 is used for test and calibration purposes.
 JP2 enables changeover of the voltage references between resistance sensors (RTD) and voltage references (TC).
 Err3 appears on the display in the event of an error.
 PIN 1..4 serve as interface connections for the sensors.
 PIN 5..7 are for voltage supply and outputs.

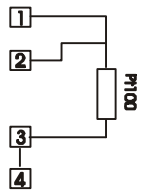


INPUTS

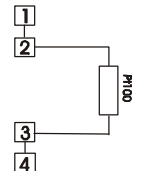
Pt100/1000 4-lead circuit
 JP2 must be placed to the right



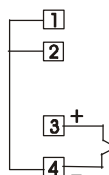
Pt100/1000 3-lead circuit
 JP2 must be placed to the right



Pt100/1000 2-lead circuit
 JP2 must be placed to the right



Thermocouples
 JP2 must be placed to the left



OUTPUTS AND SUPPLY VOLTAGES

LKM153-B	0 V	5
	9 V	6
LKM153-U	0 V	5
	+24 V	6
	0..10 V	7
LKM153-I	L -	5
	L +	6

BATTERY VARIANT

The battery variant makes use of an additional 3 buttons.

With the P button the unit can be switched on and off.

The Hold button serves to freeze the measured value. It can be used when one wishes to compare a previous measured value with a current value. It must then be reset.

The Max/Min button displays the maximum and the minimum measured values. By pressing the button a changeover is made between the two values. If the button is not actuated for 3 seconds, the current value is again displayed. If the button is pressed for 5 seconds, the measured value store is cleared. This is acknowledged by a nulling of the display.

