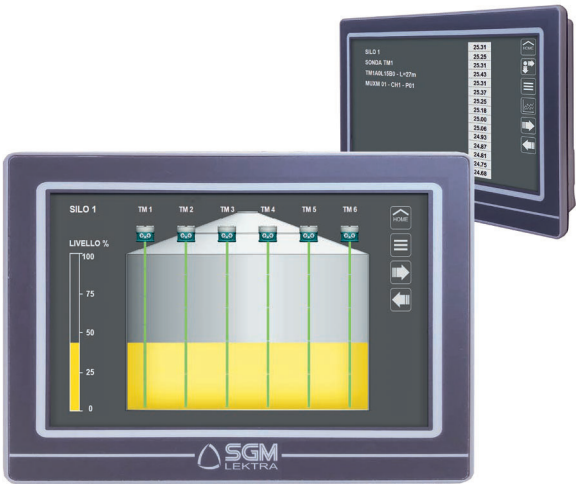


AGRITHERMT60PLUS

Temperature level and moisture display and control unit

9.7” Touch screen display
Alarm alert via display, email or relay
Display of temperature values/trends
Level measurement
Moisture measurement
Panel mount installation in control room
Remote control on Android/iOS/Windows devices
Remote assistance
Power supply 24Vdc
4.0 Industry Ready

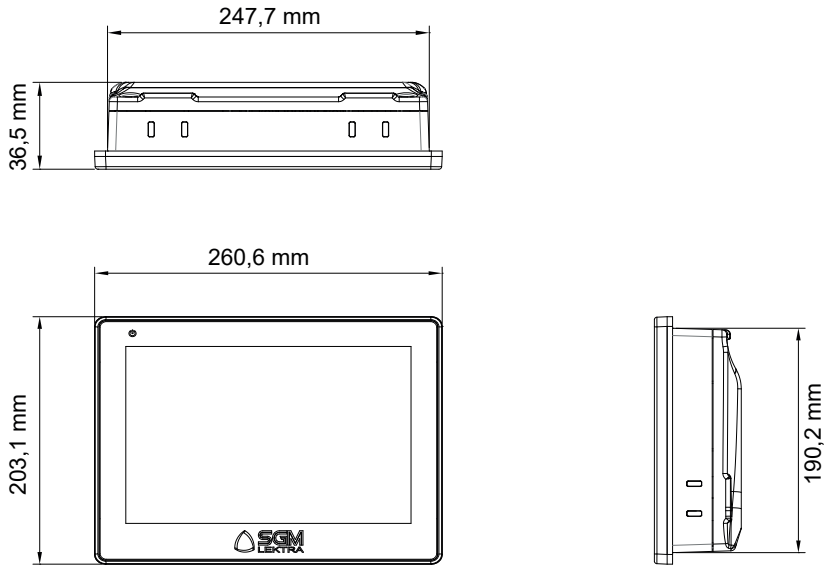
AGRITHERMT60PLUS is a unit for managing temperatures in silos or sheds for the storage of cereals. Through a 9.7 ”touch screen display it is possible to view the conditions of the TM or TT multipoint thermometric probes, connected to it by means of a MUXM or MUX02 concentrator, and the relative measured temperatures. A simple and intuitive menu allows quick setting of average and maximum temperature values and other system settings ensuring precise and effective monitoring of the entire system. The alarm signaling can be freely configured by setting visual alarms, automatic sending of alerts via e-mail or by controlling the relay outputs. The trend of the measurements taken and any alarms are available for reading via the display and stored on a USB memory unit, thus creating a historical archive of the measurements.
It is also possible to use it remotely on Android / iOS / Windows smartphones and tablets with special Apps.
AGRITHERMT60PLUS is the gateway to INDUSTRY 4.0 thanks to the MODBUS RTU server function via TCP / IP and the possibility of remote assistance.

Technical Feature

Display
9.7” LCD touch 1024 x 768
Pocessor
32 bit 1GHz
Memory
Flash 512MB RAM 256MB
Digital communication ports
Nr 2 MODBUS RTU via RS485(2W)
For data acquisition/management from MUXM and relay module (opt)
Nr 1 MODBUS RTU via TCP/IP for re-transmission of temperature data
USB port
Nr 1 for 8GB pen drive

Power supply
24Vdc ±20%
Consumption
Max 350mA
Dimensions (l x h x w) mm
260.6x203.1x36.5
Drilling template for panel mounting (mm)
250x192
Frontal protection
IP65 / NEMA4
Working temperature
0÷50°C

Relay module supply (opt)
20,4÷28,8Vdc
Relay module consumption (opt)
2,5W
Relay module mounting (opt)
On DIN rail
Relay module output contacts (opt)
>250Vac, 30Vdc – 2A for single contact
Relay module working temperature (opt)
5÷55°C



AGRITHERMT60P Display and control unit

Touch display 9,7" TFT 1024x768
Processor 32 bit 1GHz - Flash Memory 512MB - RAM 256MB
App Android / iOS / Windows (PC) for remote display via web
Power supply 24Vdc - Consumption 425mA - Working temperature 0÷50°C
Master MODBUS RTU port on RS485 for MUX/ MUXM connection
Slave MODBUS RTU port on Ethernet LAN1 10/100/1000 Base-T x 1
USB port with 8GB pen drive for temperature trend storage
Dimensions L x H x P (mm): 260.6 x 203.1 x 36.5 - Panel mounting
Frontal protection IP65 / NEMA4
Industry 4.0 ready

	Version	
	A	Standard
	L	Standard with level display
	U	Standard with moisture display
	W	Standard with level and moisture display
	Z	Special
	Technical support	
	0	None
	1	Configuration on customer's plant layout (up to 2 MUX/MUXM)
	9	Special
	Extra technical support	
	A	None
	B	Configuration on customer's plant layout (for each MUX/MUXM in addition to the first 2)
	Z	Special
	Accessories	
	0	None
	2	SGM LEKTRA remote assistance
	3	External module with 4 relays output
	4	External module with 6 relays output
	5	External module with 8 relays output
	6	External module with 10 relays output
	7	External module with 12 relays output
	8	External module with 16 relays output
	9	Special