

## CONTROL BOX

### MAIN DESCRIPTION

BRYSCAN™ Control Box supply power and communication to Minder Sensors. Through a simple user interface, the HMI allows to view measurements, parameters and alarms and also manages the communication for the transfer of historical data. The control BOX is supplied with a USB-A port and an RJ45 port to allow data transfer or firmware upgrades. It can be easily installed in a vertical position on din rail or lay-on table. Its construction has been designed to meet all quality standards and optimized to be as compact as possible.

### FEATURES

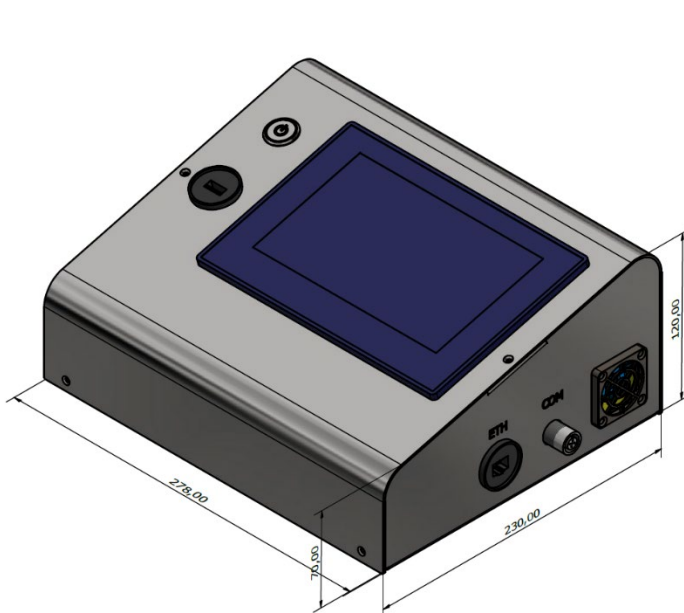
Robust stainless steel box - Compact and ergonomic design - 7" Color Touch Monitor – Cooling fan - USB port - Eth port - Standard M12 connection



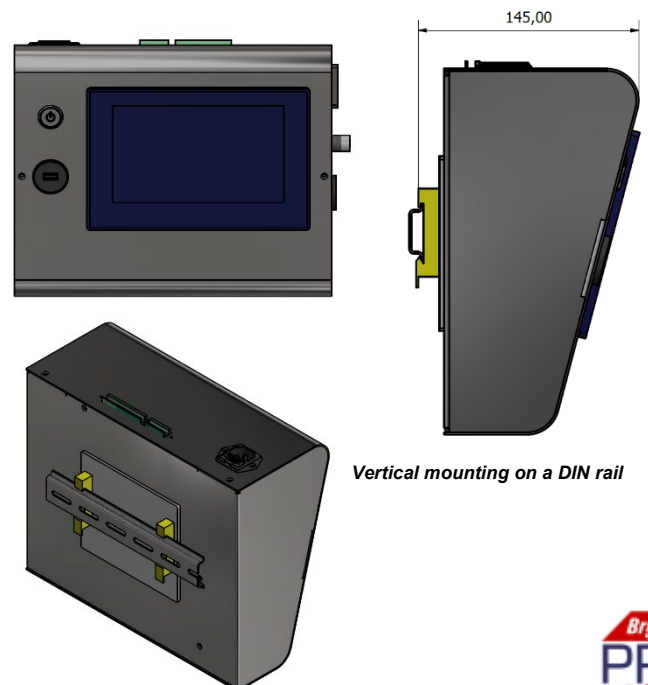
Control Box	Single unit	Units
Connectable sensors (in series)	1-8 (in series)	
Display	Touch 7" colors	
Resolution in pixel	800 x 480 (WVGA)	Pixel
Operating Voltage Display	24	VDC
Absorbed current	350	mA
Working conditions	Wall Mounting / Desktop	



Supply		Serial Port		Interface			
Voltage	80-240 VAC	Type	RS-485	Type	RJ-45	Type	USB
Current consumption	1600 mA max	Protocol	Modbus RTU	Protocol	FTP Modbus TCP/IP	Connector	Type-A 2.0
Dissipated Power	40 W max	Baud rate	34800 bps	Speed	10/100 Mbit/s	Speed	Hi-speed 280 Mbit/s
Protections	Reverse polarity protection	Connector	5 pins male M12/code-A				
<b>EMC Standards</b>		<b>Isolation</b>			<b>Case</b>		
DIRECTIVE 2004/108/EC		Isolation	1500 VAC	Material	INOX		
Immunity	EN61000-6-2			Assembly	Wall Mounting DIN rail / Desktop		
Emission	EN61000-6-2			Dimension	278x230x120 mm		
				Weight	3,50 Kg		



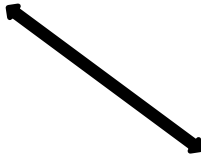
Dimensions



Vertical mounting on a DIN rail

**CONNECTION CONTROL BOX - SENSOR**

*Remote assistance*



**Cable Ethernet – TCP/IP**



**CONTROL BOX**

**Sensor BUS  
80mt(standard)**

**1000mt with amplifier**

**<50 mt**

**<50 mt**

**<50 mt**

**<50 mt**

**2 mt**

**2 mt**

**2 mt**

**2 mt**



**8**

**n**

**3**

**2**

**1**

## MOISTURE MINDER SENSORS

### *Cable to connect the sensor*

Cable: 5 wires 15 AVG shielded.

Connectors: 5-pin standard M12, male and female.

M12 T-distributor / adapter, for multiple sensors mounting



**Figure 1 - M12 cable**  
**Sensor side: Female**  
**Side Control Box: Male**



**Figure 2 - T adapter**