

Technical Data Sheet

AHE-5010 Rev02

Stand-Alone-HMI

Control Interface (HMI) for independent operation of cera2seal and cera2heat systems.

Parameters

Display and Signal Elements

Display size	15.6" diagonal
Resistive Technology	Projected capacitive touch (PCAP)
Signals	5-color LED signal lamp for status indication

Electrical (supply via control cabinet)

Voltage	24 V DC
Current	Max. 6 A

Connection

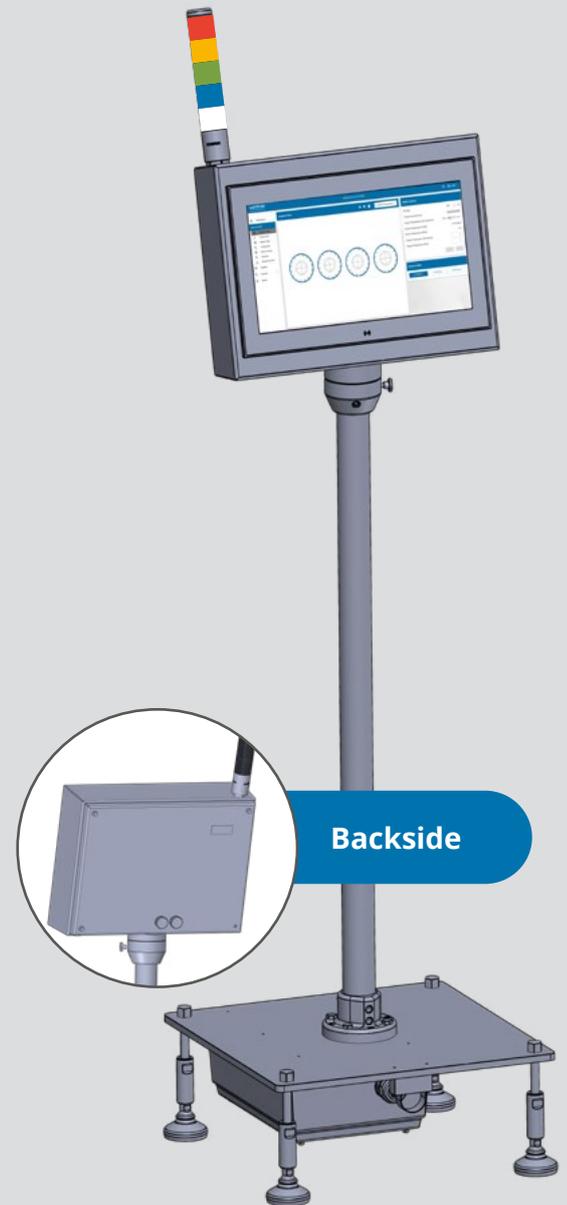
Cable type	Control and connection cables in a PVC hose
Connector type	Harting® Han6B
Cable length	5 m (extension cable available)
Diameter	25 mm
Minimum bending radius	400 mm

Environmental Conditions

IP	65
Ambient temperatures	5 °C to 40 °C (41 °F to 104 °F)
Maximum relative air humidity	80 % at temperature up to 31 °C (88 °F) decreasing linearly to 50 % relative humidity at 40 °C (104 °F)

Dimensions

Height	1770 mm
Width	450 mm (baseplate)
Depth	450 mm (baseplate)
Weight	42 kg



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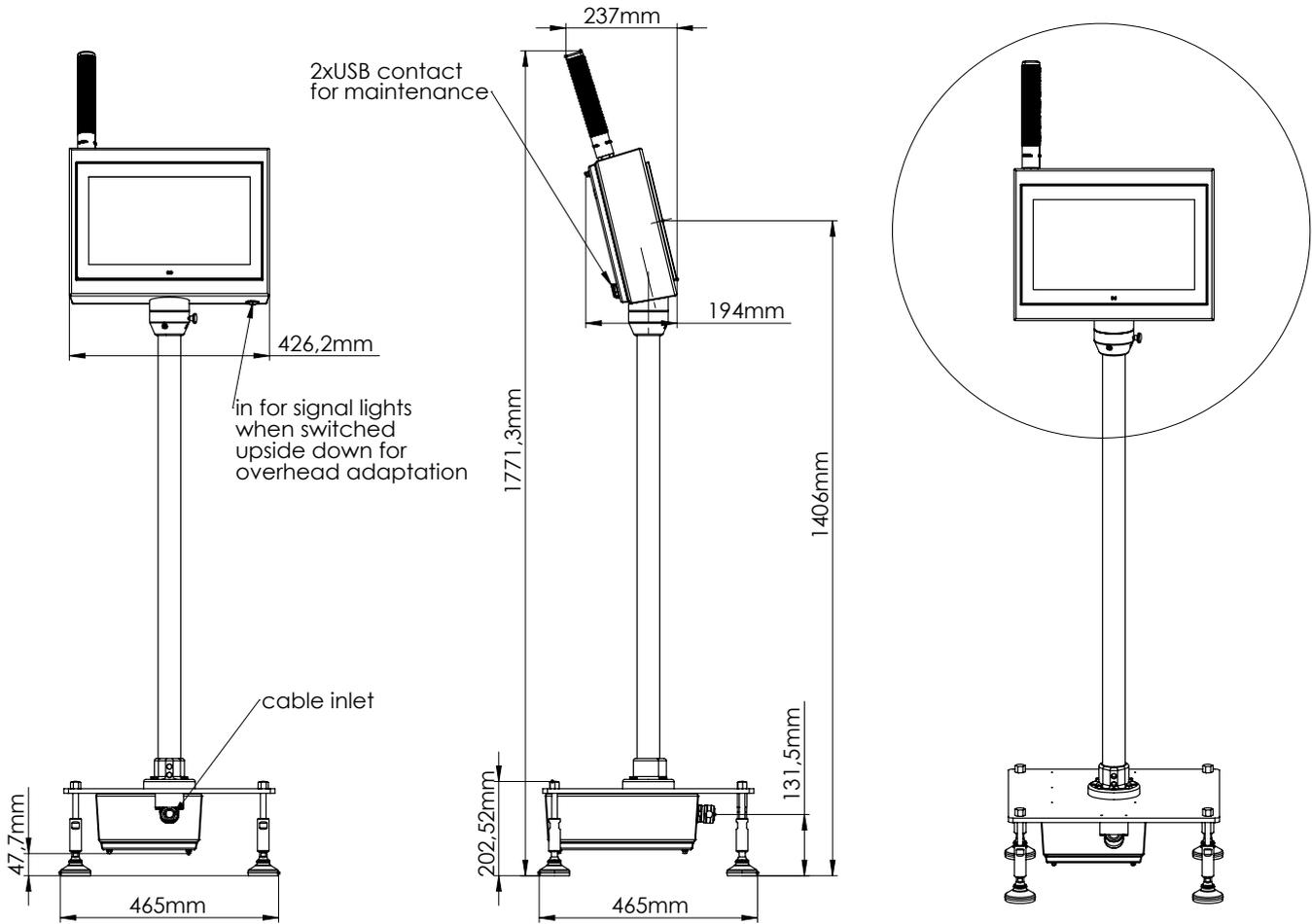
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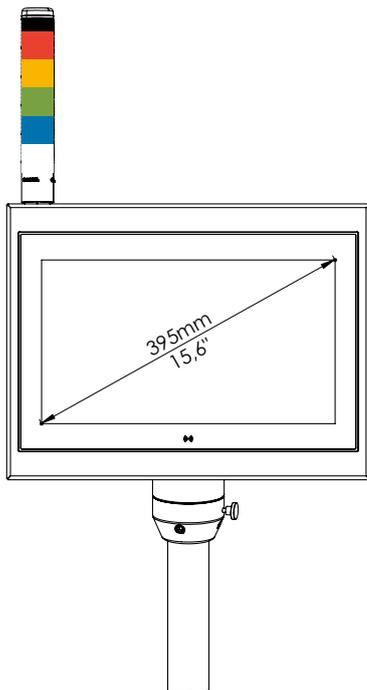
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Drawing



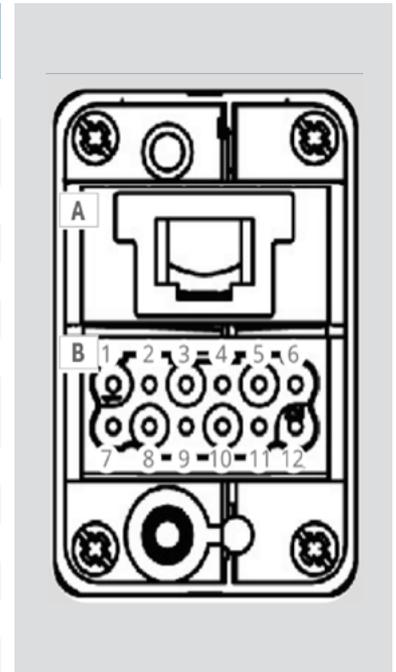
rot/red
gelb/yellow
grün/green
blau/blue
weiß/white



- Error
- Warning
- System is heating
- Heater voltage active
- Heater voltage not active

Connector Assignment of Han6B Connector

Wire gauge	Colour/Marking	Wire Assignment	Pin
1.5 mm ²	Black	RJ45	A1
1.5 mm ²	Black 1	Check if plug inserted (jumper between B1 & B7 inside the HMI)	B1
1.5 mm ²	Black 2	Heater Voltage OFF	B2
1.5 mm ²	Black 3	Heater Voltage ON	B3
1.5 mm ²	Black 4	+24V Supply Voltage	B4
1.5 mm ²	Black 5	+24V Supply Voltage	B5
1.5 mm ²	Black 6	+24V Supply Voltage	B6
1.5 mm ²	Black 7	Check if plug inserted (jumper between B1 & B7 inside the HMI)	B7
1.5 mm ²	Black 8	Heater Voltage OFF	B8
1.5 mm ²	Black 9	Heater Voltage ON	B9
1.5 mm ²	Black 10	GND Supply Voltage	B10
1.5 mm ²	Black 11	GND Supply Voltage	B11
1.5 mm ²	Black 12	GND Supply Voltage	B12
1.5 mm ²	Yellow/Green	Protective Earth	PE



Graphic User Interface

The screenshot displays the wattron HMI software interface. The top header shows the wattron logo, the version 'wattrix-215 (v1.3.0-6376)', and an 'ADMIN' user indicator. The main interface is divided into several sections:

- Left Sidebar:** Contains navigation options: Dashboard, Default Heater, Graphical View (selected), Profile Editor, Module Table, Configuration, Heater Settings, Diagnosis, Annotation Editor, Toolbox, Service, and About.
- Graphical View:** Displays four circular gauges, each with a scale from 0 to 15 and a central needle.
- Heater Controls:**
 - Heating: Off (radio button selected) / On
 - Temperature Reached: Heater Turned Off
 - Target Temperature (min/avg/max): 85.0 °C / 89.2 °C / 140.0 °C
 - Active Temperature Profile: #2 Profile 1
 - Active Temperature Offset: 0 °C
 - Target Temperature (all circuits): [input field] °C
 - Target Temperature Offset: [input field] °C
 - Buttons: APPLY, RESET
- Heater Profiles:** Shows three profile selection buttons: #2 PROFILE 1 (selected), #3 PROFILE 2, and #6 PROFILE 3.