

TFT Display

## VVE MONITOR



Niche installation



Wall mount



Column base

VVE Monitor - with read aloud function and optional touch operation

Flexible application possibilities due to different assembly variants

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### ORDER NO. / DESIGNATION

360.20200-0023 VVE Monitor - Touch

360.20200-0024 VVE Monitor

360.20200-0025 VVE Monitor - Indoor

360.20200-0026 VVE Monitor - Indoor - Touch

364.00210-0017 VVE Column base

364.00210-0018 VVE Wall bracket

364.00210-0019 VVE Niche installation

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## TECHNICAL DATA

### GENERAL DESCRIPTION

Exact designation	VE monitor size 21.5", outdoor / indoor with read-out function	
Area of application	Outdoor and indoor, also with direct sunlight	
Temperatur range operation	-33 °C to +40 °C (Outdoor) 0 °C to +40 °C (Indoor)	
Temperatur range storage	-20 °C to + 50 °C	
Dimension (W x H x D)		
TFT	395 x 754 x 120 [mm] (Depth incl. button 133 [mm])	
as column mounting	395 x 1664 x 120 [mm]	
as wall mounting	395 x 985 x 123 [mm]	
as recessed mounting with cover frame	520 x 900 x 130 [mm]	
Front glass	Anti-reflective laminated safety glass with thickness of approx. 8.8, with highly effective IR and UV blocking filter	
Surface housing	Stainless steel 1.4301 brushed	
Weight		
VVE Monitor	24 kg	
Column base	25.5 kg	
Wall bracket	4 kg	
Cover frame	4.5 kg	
Fastening		4 blind threads M8 on the bottom; 4 blind threads M8 on the rear side
	above column base	4 fastening holes for M12 threaded rods on the base
	via wall bracket	4 fixing holes for M8 threaded rods or screws on the wall
	above niche installation	4 loss-proof fastening screws on substructure
Power supply	230 VAC / 50 Hz, P=0.3 kW, external line protection C6A Fuse protection: fuse 2.5 A slow-blow 2-pole disconnecter	
Typical power consumption operation	Typ. 30 W / Max. 63 W plus 150 W heating (outdoor version)	
Protection class / electrical protection	Monitor part IP65 / protection class 2	

## GENERAL DESCRIPTION

Sensor technology	Brightness sensor for automatic adjustment of display brightness to ambient light, device temperature, humidity, glass breakage detector, backlight failure detection
Air conditioning	Heating foil 150 W, thermostat-controlled (not in indoor version) 2 recirculation fans Switching thresholds circulating air (A10-B2): 45°C, heating (A10-B1 red): 3°C
Service life of entire unit	approx. 10 years, reduction of luminosity to 50% after 50,000 hrs. (at T = 25°)
Approvals	CE (EMC and electrical safety)

## TFT PANEL

Display area (TFT display)	HxW approx. 267 x 476 mm (21.5" screen diagonal, 16:9 format) Full HD resolution with 1920 x 1080 pixels
Display colour	up to 16.7 million possible colours
Reading angle	Typ. 178° in horizontal and vertical direction
Initial luminosity	max. 1500 cd/m <sup>2</sup>
Initial contrast	Typ. 1000:1
Ambient light	Readable even in direct sunlight
Backlighting	LED backlighting, brightness control according to ambient light by means of light sensor

## INTERFACES AND FUNCTIONS

Connector plug Data interface	Network via RJ45 socket
Connection supply	2 x cable gland M25 for variable cable diameter 6-20 mm on under-side of housing Connection terminal size 4mm <sup>2</sup>
Control	Web display with integrated browser
Control interface	SSP serial via USB

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## INTERFACES AND FUNCTIONS

Read aloud function	<p>Connection to Aristech TTS engine server with streaming via MRCP for playback without time delay, licence and voice package is not included.</p> <p>Optional licence language package German/English/French. Other languages on request.</p>
Functions	<p>Brightness control according to ambient light by means of light sensor</p> <p>Display of a definable fallback page in case of interruption of the data connection</p>
Monitoring functions	<p>Temperature sensor, humidity, glass breakage, light sensor, operating hour counter, backlight error</p>
Network access	<p>Service WEB surface, available with Web browser via &lt;IP address&gt;: 8443</p> <p>SSH, SCP, VNC, SNMP V1/2/3</p>

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## CONTROL UNIT AND INPUT/OUTPUT COMPONENTS

Control computer	Nvidia Jetson Nano, Quadcore processor 1.4 Ghz
Memory	4 GB RAM, 32 GB SD Flash
Release button	<p>Push-button with raised letter „i“ as information for Persons with impaired vision. Touch surface 25 cm<sup>2</sup>. Optical actuation feedback. TSI PRM conformity</p>
Acoustic output	Waterproof loudspeaker (IP65) with vandalism protection made of stainless steel. Output power max. 18 W. Volume configurable.
Touch operation	The monitor can be equipped with a high-quality PCAP touch foil, which is protected on the inside of the protective glass panel is appropriate.
Version: VVE Monitor - Touch	<p>Basic function: Turning over stored information pages by „swiping“.</p> <p>Other operating elements and gestures can also be configured as options.</p>

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