



Operator and control HMIs

- text and graphic HMIs
- direct connection to AMiT control systems
- built-in design with up to IP65 cover protection
- all types support special and Cyrillic character sets
- graphic panels supporting custom fonts in various languages
- control HMIs can be used as freely programmable control systems
- programmable in DetStudio
- HMI simulator and debugging tool in DetStudio
- versions with extended range of operating temperature (-40 °C to 70 °C)



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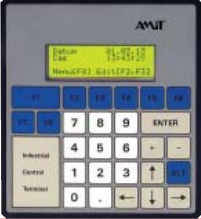
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Graphic control HMIs

				
	AMR-OP10	AMR-OP83	AMR-OP87(G)	AMR-OP87/Pxx
Display	FSTN graphic, 3", mono-chromatic, (132 × 64) pixels	TFT graphic, 3.2", 65,536 colours, (320 × 240) pixels	TFT graphic, 7", 65,536 colours, (800 × 480) pixels	TFT graphic, 7", 65,536 colours, (800 × 480) pixels
Visible area	(58 × 38) mm	(64.8 × 48.6) mm	(152.4 × 91.4) mm	(152.4 × 91.4) mm
Touch panel	Yes	Yes	Yes	Yes
Keyboard	No	No	No	No
Interface	1× Ethernet, 1× RS485 with GI, 1× RS485	1× Ethernet, 1× RS485 with GI, 1× RS232/RS485/CAN, SD card	1× Ethernet, 1× RS485 with GI, 1× RS485, SD card (SMS)	1× Ethernet, 1× RS485, 1× Poseidon 868 MHz with (AW-P868A)
Inputs/outputs	1× RTD, AMRIO or AMR-xx series extension	with AMRIO or AMR-xx series extension	with AMRIO or AMR-xx series extension	with AMRIO or AMR-xx series extension
Web server	Yes	Yes	Yes	Yes
Ingress protection rate	IP65 – front / IP20 – end	IP65 – front / IP20 – end	IP65 – front / IP20 – end	IP20
Power supply	24 V DC ±20 %	24 V DC/AC ±20 %	24 V DC/AC ±20 %	24 V DC/AC ±20 %
Consumption	Max. 0.07 A	Max. 0.10 A	Max. 0.18 A	Max. 0.15 A
Operating temperature	-10 °C to 50 °C	-20 °C to 70 °C	-20 °C to 70 °C	-20 °C to 70 °C
Dimensions (w × h × d)	(116 × 96 × 48) mm	(127 × 76 × 47) mm	(220 × 130 × 46) mm	(194 × 124 × 33) mm
Programming	DetStudio / EsiDet	DetStudio / EsiDet	DetStudio / EsiDet	DetStudio / EsiDet

Text HMIs

			
	ART400W3	APT130	APT100G
Display	LCD backlit, (4 × 20) characters	LCD backlit, (4 × 20) characters	LCD backlit, (4 × 20) characters
Visible area	(76 × 25) mm	(76 × 25) mm	(76 × 25) mm
Character height	4 mm	4 mm	4 mm
Keyboard	Membrane, 27 keys	Membrane, 27 keys	Membrane, 27 keys
Interface	1× Ethernet, 1× RS232, 1× RS485 with GI, 1× CAN (optional), SD card	Parallel	1× RS232, 1× RS422/485 with GI
Inputs/outputs	8× DI (24 V DC), 8× DO (24 V DC), 8× AI (U / I / RTD), 2× AO (0 to 10 V)	–	–
Web server	Yes	No	No
Ingress protection rate – front panel / rear cover	IP55 / IP20	IP55 / IP20	IP55 / IP20
Power supply	24 V DC ±20 %	5 V DC ±10 % from the control system	24 V DC ±20 %
Consumption	Max. 0.25 A	Max. 0.3 A at 5V DC	Max. 0.2 A
Operating temperature	-20 °C to 60 °C	0 °C to 50 °C	0 °C to 50 °C
Extended temperature range	–	–	-40 °C to 70 °C (APT1000GF/I)
Dimensions (w × h × d)	(146 × 166 × 87) mm	(146 × 166 × 52) mm	(146 × 166 × 52) mm
Programming	DetStudio	ESC sequence	ESC sequence

