

3.5" Touchscreen HMI

Aluminum frame and casing in appealing design, powder-coated in steel-gray color, provides protection and gives a timeless look. The 4-color foil print further enhances the sense of depth in the operator panel. The front enclosure is IP66 classified, which means that it is waterproof even when exposed to high pressure washing. The operator panel is configured with the user-friendly software tool.



Electrical and Mechanical Specifications	AKI-CDT-MOD-04T
Hardware	
Display	TFT-LCD. 320 x 240 pixels, 64K colors. LED backlight lifetime at the ambient temperature of +25 °C: >10,000 h..
Screen Size / Active display, W x H	3.5" / 70.1 x 52.6 mm
Front / Rear seal	IP 66 / IP 20
Touch screen material	Touch screen: Polyester on glass, 1 million finger touch operations. Overlay: Autotex F157 / F207
Reverse side material	Powder-coated aluminum
Processor / RAM	312 MHz RISC CPU (Intel Xscale) / 64MB
Real time clock	±20 PPM + error because of ambient temperature. Total maximum error: 1 min/month at 25 °C Temperature coefficient: -0.034±0.006 ppm/°C ²
Power consumption at rated voltage	Normal: 0.15 A , Maximum: 0.35 A
Fuse	Internal fuse, 2.0 AT, 5 x 20 mm
Power Supply	+24 V DC (20 - 30 V DC). 3-pin jack connection block. CE: The power supply must conform with the requirements according to IEC 60950 and IEC 61558-2-4. UL and cUL: The power supply must conform with the requirements for class II power supplies
Operating temperature	Vertical installation: 0 ° to +50 ° C Horizontal installation: 0 ° to +40 ° C
Storage temperature	-20 ° to +70 ° C
Relative operating humidity	5 - 85 % non-condensed

3.5" Touchscreen HMI

With 320 x 240 pixels, this high-resolution 3.5" TFT-display ensures optimal viewing in all conditions as well as large view

Electrical and Mechanical Specifications	AKI-CDT-MOD-04T
Certificates and Approvals	
CE approvals	Noise tested according to EN61000-6-3 emission and EN61000-6-2 immunity.
UL, cUL approvals (when product or packing is marked)	UL 1604 Class I, Div 2 / UL 508 / UL 50 4x indoor use only
DNV	Yes
NEMA	4x indoor use only
Germanischer Lloyd	Yes
Communication	
Serial port RS422/RS485	25-pin D-sub contact, female with standard locking screws 4-40 UNC.
Serial port RS232C	9-pin D-sub contact, male with standard locking screws 4-40 UNC.
Ethernet	10/100 Mbit/s. Shielded RJ 45
USB	Host type A (USB 1.1), max output current 500 mA,
Field buses (expansion modules)	Profibus DP slave
Dimensions	
Front panel, W x H x D)	155.8 x 119 x 6 mm
Cut out dimensions	139 x 105 mm
Mounting depth	57 mm (157 mm including clearance)
Weight	0.6 kg

