

Touch Operating Panel ETT 353



The ETT 353 is a touch operating panel with a 3.5" TFT color display. The resistive touch screen serves as the input medium for process data and parameters.

With the LASAL SCREEN mask editor, graphics can be created on the PC, then stored and displayed on the terminal. Data is exchanged over CAN bus.

Performance Data

Interfaces	1x CAN bus
Data rate	maximum 1 Mbit/s

Electrical Requirements

Supply voltage	typically +24 V (+18-30 V DC) supplied from Class 2 or LVLC	
Current consumption	typically 65 mA	maximum 100 mA

Controller

Controller	Cortex-M3
Internal data memory for visualization (SDRAM)	8-Mbyte
Internal data memory for visualization (flash)	8-Mbyte

Terminal

Operating unit dimensions	110 x 157 x 59 mm (W x H x D)	
Material	plastic color: RAL7035	
Weight	circa 300 g	

Environmental Conditions

Storage temperature	-10 ... +70 °C	
Environmental temperature	0 ... +50 °C	
Humidity	0-95 %, non-condensing	
Operating conditions	Pollution degree 2 indoor use altitude up to 2000 m	
EMC stability	in accordance with EN 61000-6-2 (industrial area)	
EMC stability	in accordance with EN 61000-6-4 (industrial area)	
Vibration resistance	EN 60068-2-6	3.5 mm from 5-8.4 Hz 1 g from 8.4-150 Hz
Shock resistance	EN 60068-2-27	15 g
Protection type	EN 60529	IP54

Display

Type	3.5" LC graphic display	
Resolution	320(RGB) x 240	
Pixel size	0.219 x 0.219 mm	
Number of pixels	320*3 (RGB) x 240 pixels	
Active surface	70.08 x 52.56 mm	
Color depth	24 bits	
Backlighting	6x LED, white, regulatable	
Contrast	400:1	
Touch	resistive	
Brightness	typically 350 cd/m ²	
Visible field	left and right 70°, below 70°, above 60°	

Article Number and Miscellaneous

Article number	01-230-353	
Connection cable	05-980-020 (2 m) 05-980-050 (5 m) 05-980-100 (10 m)	
Standard	UL 508 (E247993)	
Approbations	UL, cUL, CE	