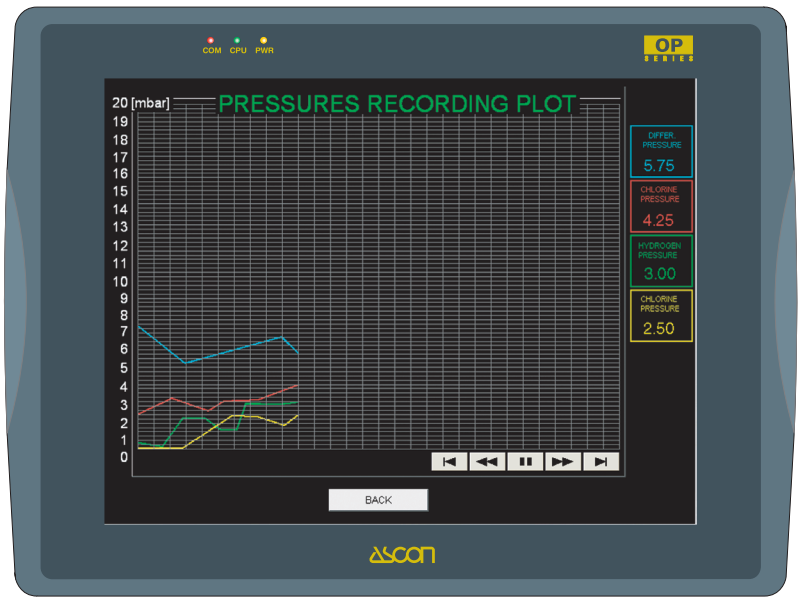
OP SERIES

Industrial Operator Panel with 10.4" touch screen colour graphic display **OP MT** line **8104T** model

- 10.4" colour graphic display
- 65536 colour TFT LCD display
- Fan-less cooling system
- CPU 32 Bit RISC processor
- Built in Real Time Clock (RTC)
- Cold Cathode Fluorescent Lamp (CCFL) backlight
- Full VGA (640 x 480 pixels) resolution
- 4 wires analog resistive touch screen
- Connection to industrial bus systems (more than 65 drivers)
- 64 MB DRAM user memory, 32 MB flash memory on board
- NEMA4 / IP65 front panel protection
- Programmable with Easy Builder 8000 software
- Display data in alphanumeric and graphic formats
- Dynamic graphic objects (bargraphs, gauges, XY plot, etc..)
- Data acquisition and trend presentation
- Recipes management and storage
- Alarms and historical alarm list
- Up to 7 levels of password protection
- CE / UL / RoHS certifications



E

ISO 9001 Certified

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Technical data

Display	
Type	65536 colour TFT
Graphic resolution	Full VGA, 640 x 480 pixels
Active display area	10.4" diagonal
Backlight	CCFL
Brightness	400 cd/m^2
Contrast ratio	300 : 1
Backlight life time	50000 hours

Memory	
User memory	64 MB on board
Storage memory	32 MB Flash on board
Memory expansion	1 CompactFlash ™ card slot

Interfaces	
Com1 port	RS232/RS485, 2 or 4 wires
Com2 port	RS232
Com3 port	RS232/RS485, 2 wires
Ethernet port	10/100 Base-T
USB port	3 USB 2.0 ports
Sound port	20 bits stereo output

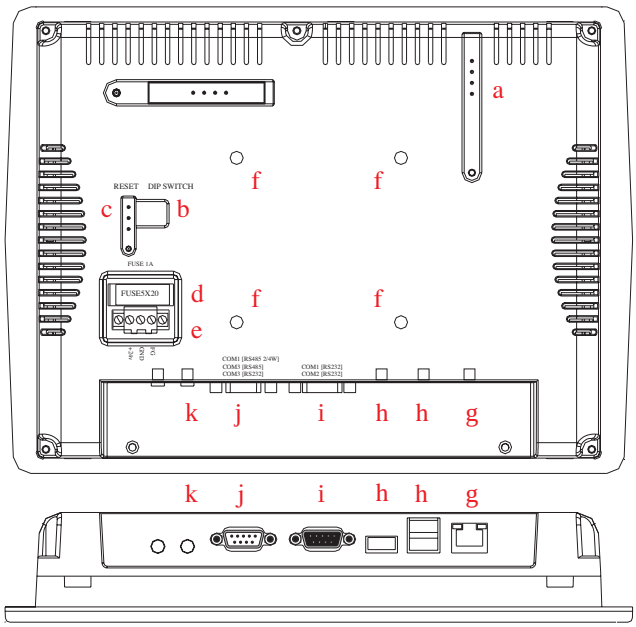
Functionality	
Data acquisition and trends	Standard
Recipe memory	128 kB
Alarms	1024
Event list	1024
Password	Standard, 7 levels
Hardware RTC	Standard, battery backed-up
Screen saver	Standard
Buzzer	Standard (audible feedback for touch screen)
Power supply voltage	24 Vdc ±5% (polarity sensitive)
Max. power consumption	~ 440 mA
Fuse	1 A
Weight	~ 1.5 kg (3.30 lb)
Operating temperature	0...45 °C (32...11°F)
Operating and storage humidity	10...90 % RH non-condensing
Protection class	NEMA4 / IP65 (front panel)

Product designed for installation in an industrial environment in compliance with the following regulations:

Radiation emissions	EN 55011 (group 1 , class A)
Generic emissions	EN 50081-2
Noise immunity	EN 50082-2

Connections/Dimensions

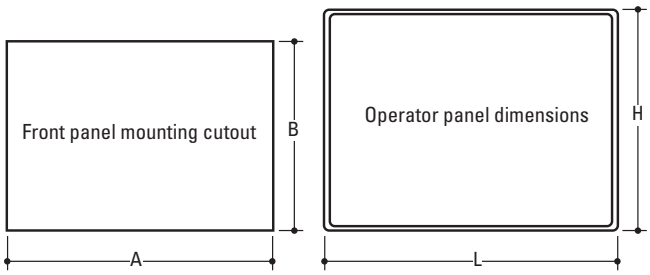
Connections



a. CompactFlash™ slot
b. DIP Switches
c. Reset button
d. Fuse
e. Power terminals
f. VESA 75mm screw holes
g. Ethernet port 10/100T
h. USB host
i. Com1 [RS-232]
Com2 [RS-232]
j. Com1 [RS-485] 2/4 wires
Com3 [RS-232/RS-485]
k. Sound output

Cutout and front view

Panel dimensions L x H	286 x 212 mm	11.27 x 8.38"
Cutout A x B	259 x 201 mm	10.20 x 7.91"
Cutout depth (type - 0045)	50 mm	1.96"
Max. panel thickness	5 mm	0.2"



Ordering code

Model: OP M T - 8 1 0 4 - T

Series
Line
Model

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