

# DPS70

Display Panel Standard, 7.0" Touchscreen



<b>General</b>	
Weight	1.45 kg
Operating Temperature	-20°C to +70°C
Storage Temperature	-30°C to +85°C
<b>Electrical</b>	
System Voltage	12 V and 24 V
Operating Voltage	9 V to 32 V
Minimum Cranking Voltage	7 V
<b>Communication</b>	
CAN channels (SAE J1939)	2 standard, 1 optional
USB	2 (1 Host, 1 Device)
Ethernet	1
RS232	1
<b>Inputs/Outputs</b>	
Digital Inputs	9
Analog Inputs	10
Frequency Inputs	2
Video Inputs	5 PAL/NTSC, display 4 simultaneously
High Side Outputs	2
Sensor Supply Outputs	1 (5 V)
Audio Outputs	1 internal buzzer, 110 dB at 10 cm, 3400 Hz
Real Time Clock	Battery backup
<b>Mechanical</b>	
Enclosure Material	PC/ABS, custom colors available on request
Display Material	Hardened glass bonded to LCD, scratch resistant
<b>Connectors</b>	
Type	2 x 20 pins (Molex MX150) 1 USB type A (Host) 1 USB type B (Device) 1 RJ45 (10/100 Ethernet ) 5 BNC (video camera inputs)
Mounting Method	Panel mounted using 6 screws, #8-32 (Customer supplied bezel)



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<b>Display</b>	
LCD	TFT, 7.0" (179 mm), 16:9 aspect ratio
Pixels	800 x 480
Status LEDs (Telltals)	26
Gauges	4 stepper motor
<b>Interface</b>	
Touchscreen	Yes (capacitive touch)
<b>Software</b>	
Operating System	Linux
Application Software	Qt/QML software can be developed by OEM or Parker
<b>Environment</b>	
Humidity (soak)	ASAE EP455_Feb_2008_Section 5.13.1
Humidity (cyclic)	ASAE EP455_Feb_2008_Section 5.13.1
Dust/Water Ingress Protection	Front IP69K, Rear IP40
Salt Spray	MIL-STD-202G_Feb_2002_Method 101E
Shock	ASAE J1455_Jun_2006_Section 4.11.3.1
Random Vibration	ASAE J1455_Jun_2006_section 4.10.4.2 Figure 10
ESD	ANSI/ASAE EP455_Feb_2008_Section 5.12.2
EMC	
Susceptability	ANSI/ASAE EP455_Feb_2008_Section 5.16.3/ISO 14982/SAE J1113-41
Emissions	ISO 14982:1998, Figures A.5 and A.6

## Dimensions

