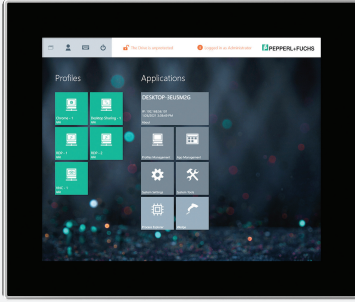


Display Unit

DPU3200-19SC-304A-V1-N0



- 10 point multi-touch sensor option allows design of modern user interfaces
- Highly resistant to cleaning agents with stainless steel bezel and seamless glass design
- Design optimized for easy cleanability
- Low-power consumption and heat dissipation due to LED backlight technology

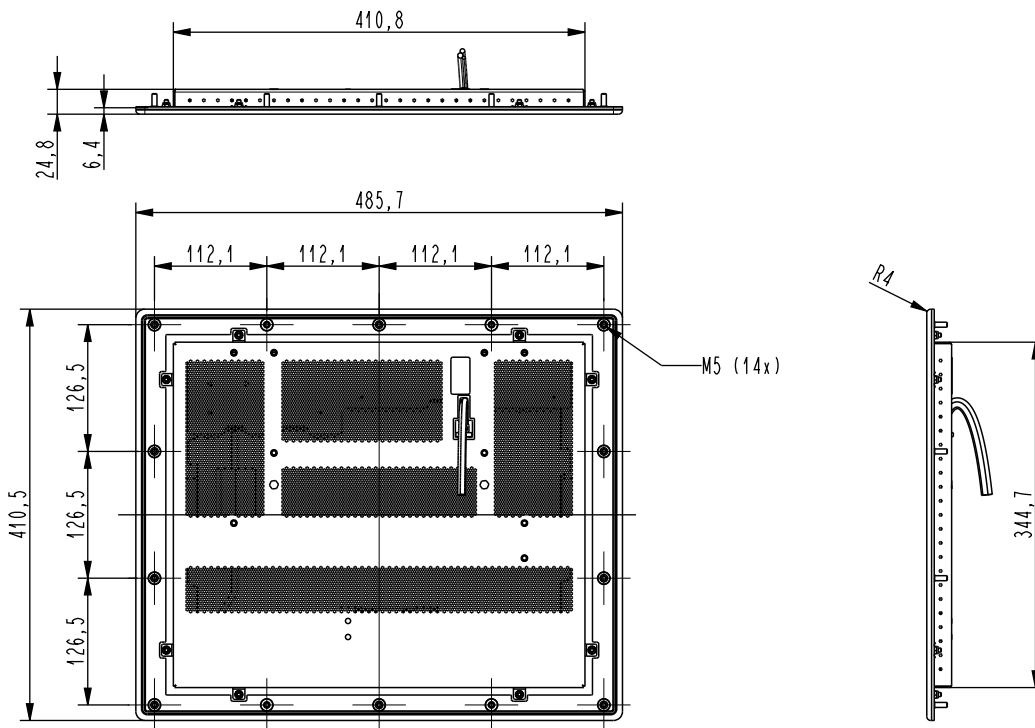
Display Unit



Function

The DPU3200-* display unit is an ATEX / IECEx certified, UL listed device intended for use in potentially explosive atmospheres of Zone 2/22. Connected to a Pepperl+Fuchs VisuNet FLX thin client unit, PC unit or DMU unit, the DPU serves as a display with a touch screen. It enables users to perceive the system outputs of the computing unit and to input user data. The display unit can only be operated with the modular HMI components of the VisuNet FLX product line.

Dimensions



Technical Data

Supply	
Power consumption	typical 26 W
Indicators/operating means	
Display	
Type	LC display with LED backlight

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Technical Data

Screen diagonal	48.26 cm (19 inch)
Resolution	1280x1024 (SXGA) , Aspect ratio 5:4
Color depth	24 bit (16.7 M) color
Contrast	1000:1 (typical)
Brightness	450 cd/m ² (nit)
Reading angle	horizontal: 170 °, vertical: 160 °
Life span	back lamp life: 50.000 hrs typical half life , at 25 °C (77 °F)
Input devices	
Touchscreen	10-finger multi-touch, glove friendly
Interface	
Interface type	USB-touchscreen signal, LVDS-video signal and Inverter LCD backlight pins for VisuNet FLX computing unit connection
Directive conformity	
Electromagnetic compatibility	
Directive 2014/30/EU	DIN EN 55035:2018-04
RoHS	
Directive 2011/65/EU (RoHS)	EN IEC 63000:2018
Ambient conditions	
Operating temperature	-20 ... 55 °C (-4 ... 131 °F)
Storage temperature	-20 ... 65 °C (-4 ... 149 °F)
Relative humidity	max. relative humidity 93% at 40°C (non-condensing) according to EN60068-2-78
Shock resistance	18 shocks 15 g , 11 ms all axis, IEC 60068-2-27
Vibration resistance	10 ... 150 Hz, +/- 0.075 mm , 1g, 10 cycles per axis according to EN60068-2-6
Mechanical specifications	
Degree of protection	Front side: IP66 Back side: IP20 (when mounted to the computing unit from Pepperl+Fuchs)
Material	Front bezel: Stainless steel AISI304 (glass, silicone gasket) Backside: Painted aluminum sheet metal
Surface	front: glass (optional with stainless steel bezel)
Mass	approx. 6 kg
Dimensions	486 mm x 410.5 mm x 25 mm
Cut out dimensions	455 mm x 386 mm +/- 1 mm
Data for application in connection with hazardous areas	
EU-type examination certificate	Certificate in preparation.
Marking	Ⓜ II 3 G Ex ec [ic] IIC T4 Gc Ⓜ II 3 D Ex tc [ic] IIIC T85°C Dc
Directive conformity	
Directive 2014/34/EU	EN IEC 60079-0:2018 EN IEC 60079-7:2015+A1:2018 EN 60079-11:2012 EN 60079-31:2014
International approvals	
UL approval	Certificate in preparation.
Approved for	Ordinary location acc. UL 61010-1 and UL 61010-2-201 Hazardous location Class I, DIV 2, GPS A-D Class II, DIV 2, GPS F-G Class III Class I, ZN 2, IIC T4 Class II, ZN 2, IIIC T85°C Class III
IECEx approval	
IECEx certificate	Certificate in preparation.
IECEx marking	Ex ec [ic] IIC T4 Gc Ex tc [ic] IIIC T85°C Dc

Release date: 2021-09-10 Date of issue: 2021-09-10 Filename: 70128302_eng.pdf

Technical Data

Standards

IEC 60079-0:2017
IEC 60079-7:2015
IEC 60079-11:2011
IEC 60079-31:2013
IEC 60079-7:2015/A1:2017

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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