

Dear Ladies and Gentlemen,

In our current issue, we would like to inform you about three new sizes of TFTs in an extreme panorama format. New development opportunities are arising by using these "Ultra-Wide Screen" displays. In part 2, we want to give you, in summary form, guidance for the selection of appropriate display technologies for your development. To provide you an initial valuation, we have compiled the most important criteria in a list.

With kind regards
Your ADKOM Team

New development potential by the use of Ultra-Wide Screen TFTs! 16:3 format in size 3,9", 4,6" und 7,8"

For measuring instruments and many other applications, this format could fulfill a long-cherished wish, e.g. in the display of charts. Especially for manufacturers of rack units based applications in 1U these special sizes could be more than interesting.

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The offered 3.9" version with its module size of 105,5 x 40,64mm is suitable for the 1U standard with a height of 44,45mm. Analog to 1U, the 4,6" TFT represents the module dimension of 20,7 x 57,08mm, and 7.84" is offered with dimensions of 203.48 x 70,60mm. Both sizes can be used for example in 2U housings (88,90mm height). The temperature ranges of the TFTs are respectively designed for industrial applications by -20°C to + 70°C (Op.Temp.).

[Please contact us for more information and details.](#)

Technology criteria in a survey and comparison Parameters and differences for the selection of a suitable display type

Specific Application Criteria	E-Paper		TFT		PMOLED		OLED		LCD	
	Segment	Matrix	IPS	TN	Passive Matrix	Active Matrix	Glass	RGB	Super	Matrix
Operating Temperature	0°C-50°C	-20°C-70°C	-20°C-70°C	-20°C-70°C	-20°C-70°C	-20°C-70°C	-20°C-70°C	-20°C-70°C	-20°C-70°C	-20°C-70°C
Ultra Wide Temperature	-	-	-	-	-	-	-	-	-	-
Storage Temperature	-10°C-70°C	-10°C-70°C	-10°C-70°C	-10°C-70°C	-10°C-70°C	-10°C-70°C	-10°C-70°C	-10°C-70°C	-10°C-70°C	-10°C-70°C
IP Protection	IP68	IP68	IP68	IP68	IP68	IP68	IP68	IP68	IP68	IP68
Touchless operation	***	***	**	*	**	**	**	**	**	**
Viewing Angle	***	***	**	*	**	**	**	**	**	**
Stable Display	**	**	**	**	**	**	**	**	**	**
Backlight	**	**	**	**	**	**	**	**	**	**
Thickness (mm)	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Life time	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000	100,000
Reference	***	***	**	*	**	**	**	**	**	**
Customization possible	**	**	**	**	**	**	**	**	**	**

Wherein is the difference to see for example between E-Papers and TFTs? Which characteristic can be attributed to which type of technology?

To assist you in the selection of a, for you [suitable display technology](#), we have provided a list of general basic characteristics and criteria's for you. Our list is intended to allow an initial assessment, but does not claim to be exhaustive.

[We will advise you in detail, to meet a tailored technological solution according to your requirement and application.](#)

Under the category: [„Press Releases“](#) on our website, you can find further interesting bulletin for this display technology – so just have a visit there!

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