

TFT colour display (4.3 inch)



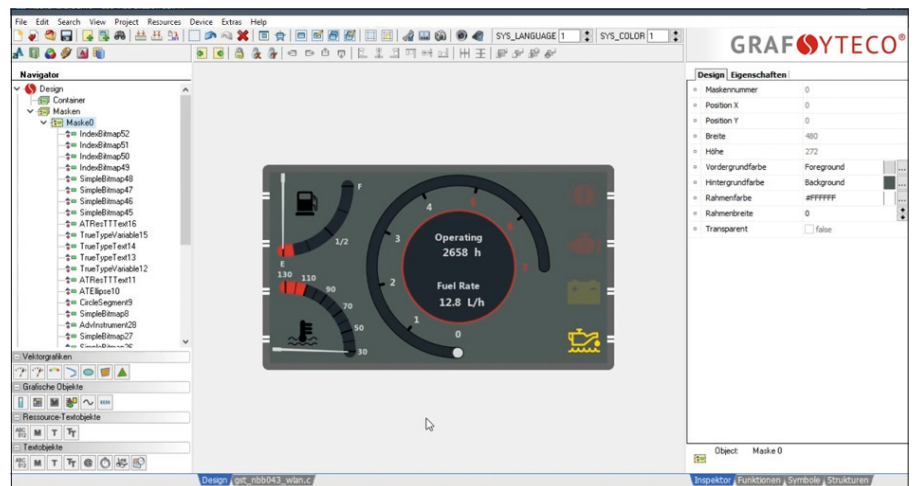
With the programmable display NBB Controls + Components GmbH offers, in cooperation with Graf-Sytec GmbH & Co. KG, a new generation of HMI for the Nano-media and Nano-magna transmitters.

For display design the associated software package offers a simple and intuitive graphics editor. Programming is done via a development environment (GSe-VISU®) for visualisations and user programmes in C/C++.

Features of GSe-VISU® IDE:

- 1:1 representation of the editor and the subsequent display.
- Simple and intuitive graphical programming.
- Pre-installed fonts, Unicode-capable text objects, colours, bitmaps, selectable objects and process variables; expandable.

The integrated WLAN module allows the project to be transferred directly from the PC to the display. The WLAN interface also offers the connection of WLAN cameras, whose video stream can be shown on the display.



Programming

Simple and intuitive graphical programming in GSe-VISU® does not require any special programming knowledge. An editor for C/C++ is available for creating complex applications and control functions. The elements of the visualisation are addressed directly.

- Pixel-precise display (development environment = display view).
- Tools for aligning objects and defining the drawing order.
- Simple and intuitive display of process parameters.
- Project navigator with tree structure for design, C programming, additional files and integrated bus and data protocol configurators.
- Integrated C code editor with code folding, syntax highlighting and extensive system function API.
- Debug support via included Eclipse and Visual Studio Code support.
- Scale generator and GSUtility (MCM module configuration).

Software can be used without restriction, a paid license is required for uploading to the display.

Technical data

TFT colour display

Technology	IPS-Display
Ambient operating temperature	-20°C to 70°C
Protection class	IP65 / IK07
Display size	4.3 inch
Resolution	480x272 pixel
Brightness	1000 cd/m ²
Contrast ratio	600:1
Colour depth	24 bit (16.7 million displayable colours)
Reading angle	85° in all directions
Foil keyboard	8 keys
Integrated flash memory	48 MB

IP video transmission

Interface	WiFi 802.11 ac
Mode	Access Point or Client
Frequency range	2.4 GHz
Protocol	ONVIF, RTP or RTSP
Video encoder	H.264
Response time	Depending on camera