

DISPLAY

## From construction machine to minibus

The technology company Continental has launched its programmable Multiviu Compact 7 display as a production product on the market. It comes with two CAN interfaces.



*The display can be used in a range of products: from construction and agricultural machines to motorcycles and minibuses (Source: Continental)*

Installed horizontally, the display is an alternative to the instrument cluster, and it shows vehicle information such as the vehicle speed and fuel level. Installed vertically, it can be used as a second device for auxiliary information that is not relevant to driving, and it can handle practical menu navigation. In the variant with a touch display, operation of the Multiviu Compact 7 is similar to that of modern smartphones – it can be operated intuitively. In both application cases, the manufacturer decides what exactly can be seen on the display.

Continental provides a programming environment with which the applications can be developed in-house and be adapted to individual requirements. The company can assist, as necessary, with training programs and local, on-site support. Also user-configurable are the 24 light symbols on the side which provide additional space for information. In addition, the cover glass can be designed for specific customers – including a logo.

The display is made of real glass, which makes it scratch-resistant and robust and can be read even under unfavorable lighting conditions like bright sunlight. The display is also waterproof and vibration-resistant. Switched off, the product has a black, homogeneous surface (black-panel design) that fits into any interior design concept, said the company. It can be used over a working temperature range from  $-30\text{ }^{\circ}\text{C}$  to  $+70\text{ }^{\circ}\text{C}$ .

One of the first to implement the display is tractor manufacturer Lindner who will use it in its Lintrac 130 continuously variable tractor. From the cabin it will enable control of functions for device recognition as well as driving strategies. The Lintrac 130 was named "Machine of the Year" in the compact class at the Agritechnica trade show 2019.

The primary instrumentation with a 7-inch display and optional touchscreen is versatile in its application. It may be used in both construction and agricultural machines, as well as in motorcycles and minibuses, for example. The company's product is available now at commercial dealers.

"In nearly all vehicle classes, the trend is toward digital instrumentation solutions," explained Patric Zimmermann, the responsible product manager at Continental. "These solutions can be used to reduce the vast amount of available information and just show the driver the data that is relevant to the driving situation. This offers relief to the driver and boosts efficiency and operating convenience. For the manufacturer, however, this incurs high costs and development effort which are often not worthwhile given the small production volumes." Two CAN ports, a video input, and multiple digital and analog inputs and outputs round off the technical features.



*(Source: Continental)*



Installed vertically, the Multiviu Compact 7 becomes a second device for auxiliary information not relevant to driving (Source: Continental)

Tractor manufacturer Lindner is using the Multiviu Compact 7 to enable cabin control of functions for device recognition as well as driving strategies (Source: Continental)