BiStable ChLCD Displays

REAL-TIME INFORMATION FOR ALL

Solar-powered Dynamic Passenger Information displays from Luminator provide travelers with reliable real-time information in the most cost-effective way, no matter where the bus stop is located. The software suite enables all the displays in the system to be monitored and managed from a central location.

A “Text-to-speech” voice announcement function can be added to enable the system to meet all the requirements of the ADA concerning accessibility for physically impaired passengers.

- Maintenance-free
- Installation on existing structure/pole - no foundation work required
- No power and data cables are required – simple and inexpensive installation
- Low investment costs
- Display of the next departures (real time) and a map on the same page
- Several pages can be displayed
- Due to the high resolution, a wide variety of graphics (QR Code etc.) can be displayed
- Layout design according to your preferences
- Online update and monitoring via the DPI software back end system
SPECIFICATIONS

- Display technology: ChLCD (Cholestric Liquid Crystal Display)
- Pixel resolution:
  - Dual Panel: 1600 x 640
  - Single Panel: 800 x 640
- Viewing angle: v/h 170°
- Highest quality anti-reflective laminated safety glass
- Excellent readability in direct sunlight
- Optional reading function (Text-to-speech) for visually impaired passengers
- Operating temperature range: -20° to 80°C
- Ultra-low power LEDs, controlled by motion sensor and light sensor

FEATUR ES

- Maintenance-free
- Installation on existing structure/pole - no foundation work required
- No power and data cables are required – simple and inexpensive installation
- Low investment costs
- Display of the next departures (real time) and a map on the same page
- Several pages can be displayed
- Due to the high resolution, a wide variety of graphics (QR Code etc.) can be displayed
- Layout design according to your preferences
- Online update and monitoring via the DPI software backend system

CHANGE OF CONTENT

The display has a capacitive push-button which can be used to change the image content. Hence it is possible to switch between several pages, e.g. between the current departure times and an overview timetable. As a result, passengers are optimally informed at all times.

Due to the high resolution, it is also possible to display the next departure times and an overview timetable in parallel.

SOLAR KITS

With the solar-powered kit you can display information on locations where there is no power supply line. The display needs energy for a brief time only during the information update; this energy is provided by the built-in solar panel battery pack. The control of this self-sufficient information system is wireless via SMS.

DATA SUPPLY AND MANAGEMENT

Software can control complete back end system of Dynamic Passenger Information displays:

- Obtaining the departure data from various source systems
- Display management and monitoring
- Layout editor