

TECHNICAL-NORMATIVE SPECIFICATIONS

Environmental Features

Temperature limits:

Environment: -10...+45 °C (14...113 °F)

Storage: -20...+70 °C (-4...+158 °F)

Humidity limits:

Environment: 5%...95% (R.H without condensate)

Storage: 5%...95% (R.H without condensate)

Altitude limits: <2000 m above sea level

Degree of Protection: IP65 in accordance with EN60529

Conformity to Directives

EMC: 2004/108/EEC and subsequent amendments

* CE marking of conformity to EU Directives.

OPERATING SPECIFICATIONS

Application: Remote display and control of our process line analyzers.

- Type of function:
- A) Interfacing with UR24 Analysis Unit with possible display, calibration, diagnostics and operating parameter setting options.
 - B) Measurement of the pH parameter.
 - C) Acquisition, via Analog inputs, of mV, mA, Pressure and temperature signals.
 - D) Activation of two programmable alarm contacts.
 - E) Acquisition of two programmable input contacts.
 - F) Management of 3 serial outputs one of which is personalizable via HMS module.

GENERAL SPECIFICATIONS

Power supplies

Electric: -AC 24V \pm 10% 50...60Hz 10VA

-DC 24V \pm 10% 10W

Interfaces

Analog: - 2 active output channels 0...20mA or 4...20mA (470 Ω max.) which can be configured in the "Initial and End Scale" values.
- 4 auxiliary input channels.

Digital: -RS485 for connection to the remote control Unit "CM00" (Multilab), to PC with RS485 interface and "Labtech" data acquisition Software Package or similar, to PC with RS485 interface (Optomux protocol).

-RS485 for connection to the UR24 Digital Refractometer.

-PROFIBUS DP or ETHERNET/IP (optional).

Inputs: 2 configurable inputs.

Outputs: 2 relay outputs for alarm signals with contacts of a maximum capacity of 1A/24V DC/AC.

All interfaces are optically isolated from the power supply (VDEO160) and are completely configurable from the keypad. All connections must be made via connections to connectors.

CONSTRUCTION FEATURES

Execution: ABS casing (UL94HB) RAL 7035 suitable for cabinet or wall mounting.

Function: System management, data processing, operator interface, interfacing with analysis unit, interfacing with additional elements and with the process line.

Electronic section:- Central "CPU" unit with microprocessor with management software on Flash, updatable via PC; communication, interfaceability with analysis unit via serial RS485 protocol.

- Indication of measurement, software menu display, diagnostics menu, error messages and operating status indicator icons on graphic backlit color display LCD 320x240 pixel with "LCD Saving" function and touch-screen.
- 3-level programming software complete with password protection and check menu.
- 6 language options (Italian, English, Spanish, French, German, Chinese) for menu and message display.
- Process temperature expressed in "°C" or "°F" and pressure expressed in "kg/cm²" or "psi".
- Possibility to store and call up at any time groups of parameters known as "recipes" containing production parameters.

Dimensions and weight:

200 (b) x 120 (h) x 90 (p), 1.2 kg.

ACCESSORIES

- Plate for Panel mounting.