



UNIVERSAL GEOTECHNICAL DATA LOGGER

GA-UDL 1000



General Features:

- Inputs channel: Up to 48 channels
- Power supply:
 - 85~264V AC 50/60Hz
 - 12~36V DC
- Display: 7-inch high brightness TFT colour LCD
- Dimensions: 185 x 154 x 176 mm
- Normal operating condition:
 - Temperature:-10 ~ 50°
 - Humidity:10 ~ 90%
(without condensation of moisture)
- Recording intervals: 1, 2, 4, 6, 15, 30, 60, 120 & 240 seconds (each channel)
- Internal memory to record data
- USB port to download data
- Input measurements:
 - Current: 0 ~ 20 mA, 0 ~ 10 mA, 4 ~ 20 mA, 0 ~ 10 mA
 - Voltage: 0 ~ 5 V, 1 ~ 5 V, 0 ~ 10 V, ± 5 V, 0 ~ 5 V, 0 ~ 20 mV, 0 ~ 100 mV, ± 20 mV, ± 100 mV
 - Thermal resistance: Pt100, Cu50, Cu53, Cu100, BA1, BA2
 - Linear resistance: 0 ~ 400 Ω
 - Thermocouple: B, S, K, E, T, J, R, N, F2, Wre3-25, Wre5-26

Accessories

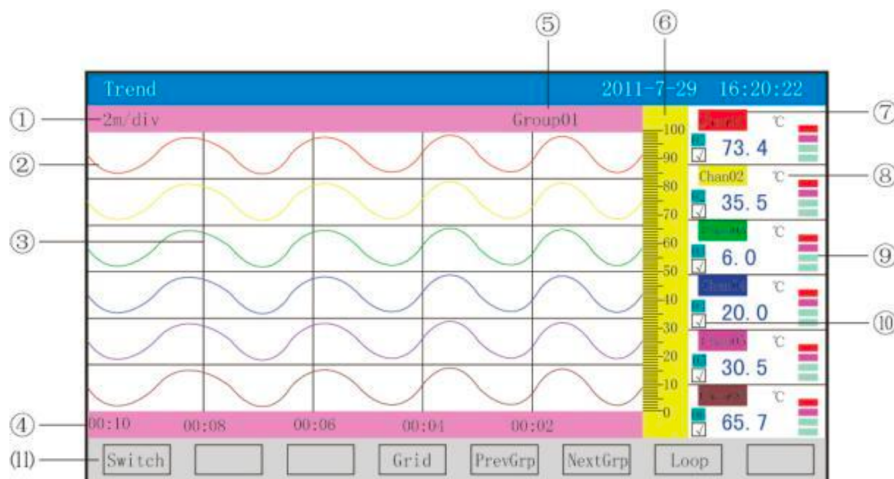
GA-PW12	12 V DC constant and stable power supply
GA-PW24	24 V DC constant and stable power supply
GA-PW36	36 V DC constant and stable power supply
GTDAC Pro	Professional data acquisition software

GA-UDL is a universal data logger that features professional data logging and supports most of available sensors in a civil/geotechnical laboratory. This data logger can read data of load cell sensors, linear potentiometer displacement sensors, pressure sensors, some linear variable displacement transducers (LVDT), thermocouples and many other sensors.

GA-UDL can read up to 48 sensors at the same time with a maximum sampling rate of 1 sample per second per each channel.

GA-UDL is a stand-alone data logger and records the data on its internal memory and once logging process is completed, data can be downloaded from the USB port of the GA-UDL.

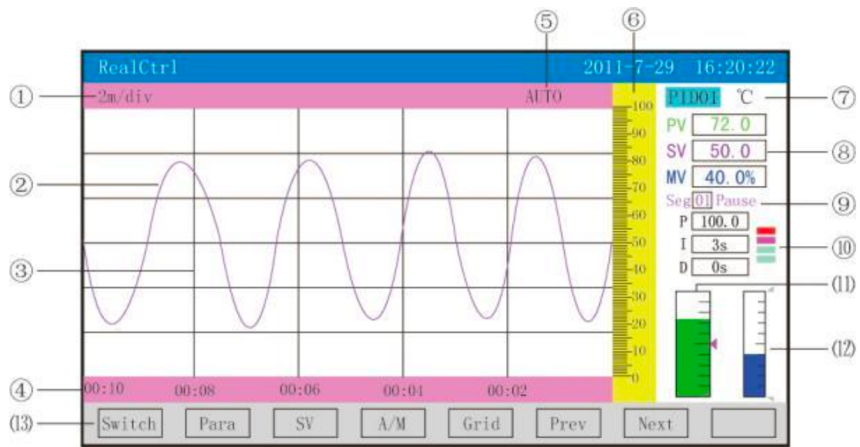
Alternatively, using GTDAC Pro software, the data are recorded on a PC and presented in tables and graphs in real-time.



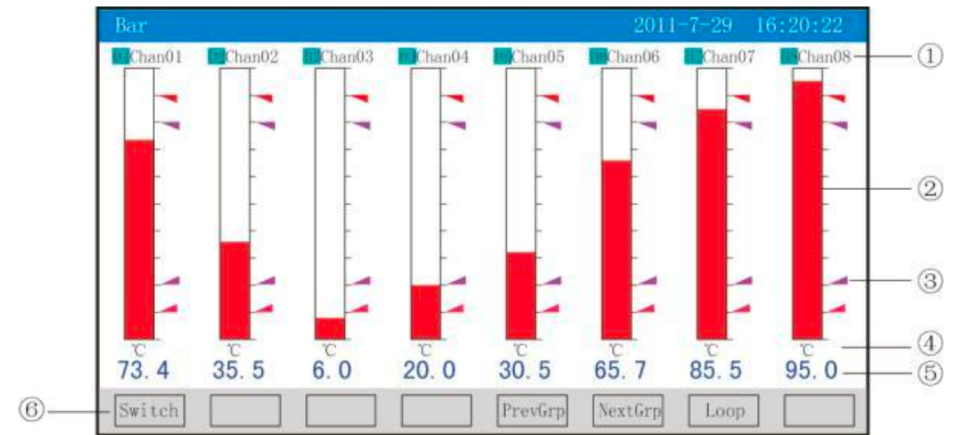
Realtime curves



Digital display



Realtime control



Bar graph