

Online NIR Measurement Controller

GY1000CTR

Features

- 10-Inch HD Touchscreen
- Multi-Channel Support
- Online Calibration and Modeling
- Historical Data Querying
- Portable and Easy to Install

Application

- Tobacco industry: cigarette packs, tobacco stems, tobacco leaves, tobacco shreds, re-cured tobacco, tobacco branches, etc.
- Grain industry: food processing, tea, ceramic industry, glass industry, pharmaceutical industry, chemical industry, wood industry, paper industry, etc.
- Coal industry
- Steel industry: sintering mixture, pellet raw materials, before and after drying, pelletizing, etc.
- Non-ferrous metals: bauxite, copper concentrate, mineral sand, nickel ore, gold, silver, lead and zinc concentrate, alumina and non-ferrous smelting, etc.

Description

Optosky GY1000CTR is a real-time online measurement controller designed to work with the GY1000 Near-Infrared Online Moisture Analyzer for real-time moisture content measurement. The GY1000CTR features a rare 10-inch high-definition large screen and supports simultaneous online monitoring with up to four GY1000 probes. It also allows for on-site modeling based on actual needs, significantly enhancing the device's applicability and measurement accuracy. Ideal for sectors such as pharmaceuticals, food processing, and chemical manufacturing, the Online NIR Measurement Controller supports continuous monitoring and control.

- Textile industry: fabrics, yarns, garments, wallpapers, etc.
- Building materials: cement industry, brick making, concrete mixing, lime firing, sand and gravel mixing



1. Parameter

Feature	Description
Touch Screen	10-inch capacitive touch screen
Operating System	Android 7.1
Display Content	Moisture content, status, etc.
Memory	8GB, with external storage expansion available
Probe Cable	3M shielded twisted pair, customizable
External Interfaces	DC power socket, network port, USB*2
Physical Buttons	Controller power switch
Protection Level	/
Power Input	DC24V/1A
Material	PC (Polycarbonate)
Mounting Method	Suspension mount
Connection Capacity	Supports up to 4 probes per display
Dimensions	280mm x 280mm x 110mm
Weight	Less than 3KG
Packaging List	Standard: 1 display, 1 cable, 2 sets of power adapters and cables

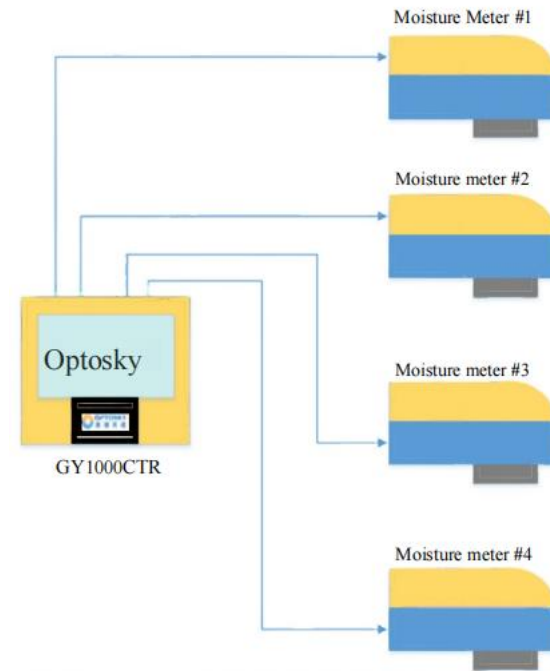
2. Application Method



Figure 1 Application method of GY1000CTR controller

GY1000CTR is connected to the moisture meter host through a cable. The controller can automatically measure the moisture content of the object being measured. The controller can output control signals to the PLC to control the moisture meter host.

3. System Combination



GY1000CTR can control up to 4 moisture instruments, and the measurement data of the 4 instruments can be displayed in real time on the display screen.

4. Physical Pictures

