

PD-350 Series Automatic Tank Gauge

—Unerring Accuracy. Unmatched Clarity.



Wired / Wireless

- Equipped with advanced measurement technology and robust communication capabilities, the PD-350 series ensures accurate inventory management, leak detection, and environmental compliance.
- Combining real-time data visualization, secure remote access, and flexible network integration, it provides operators with complete control and insight into their fuel assets anytime, anywhere.
- Designed for stations with multiple probes and sensors for tanks and complex layouts, the PD-350 series offers scalable performance and seamless connectivity to probes, sensors, and forecourt systems which helping customers operate safely, efficiently, and profitably.





Comprehensive Performance

- **Multiple Tanks Monitoring**-support simultaneous monitoring of up to 16 tanks (32 via expansion box).
- **Inventory Monitoring**-continuously monitor fuel level, water level, temperature, net volume, ullage, and optionally density, ensuring accurate and reliable tank data.
- **Delivery Report Generation**-monitor delivery and generate delivery report automatically.
- **Audio-Visual Alarm**-integrated sound and light alarms provide early warnings for low fuel, high/low level, overfill, high water, and include anti-theft alerts during non-operating hours.
- **Tank Chart Generation**-upload the tank information with an USB flash drive, and the corresponding tank chart can be generated.
- **Tank Tilt Compensation**-correct for tank inclination to ensure highly accurate inventory readings.
- **Leak Test**-Static Leak Detection (SLD), Continuous Statistical Leak Detection (CSLD) and compatible with a wide range of leak detection sensors for continuous system safety.
- **Report Storage**-automatically archives all report types for future reference and compliance audits.
- **Printer Options**-Insert, USB or Serial.

Safety-Focus

- **Timed Sudden Loss Detection**-detect and record unexpected inventory changes caused by potential theft during non-operating periods.
- **Asset Protection**-offer multi-level password management and customizable user permissions to safeguard station data and assets.
- **Risk Reduction**-eliminates the need for manual tank dipping, minimizing health, safety, and environmental risks.

Extremely Efficient Operation

- **Remote Connectivity**-provide real-time visibility through the Tank eye[®] platform, enabling access to inventory data anytime, anywhere via PC or mobile devices.
- **Color Touch Screen**-intuitive text and graphic interface with bright visuals for enhanced usability.
- **Automation System**-communicate seamlessly with the third-party automation systems. The SloT system and exiting platforms are operable without the console.
- **Friendly Interface**-simplified menu layout and clear navigation ensure operators can easily locate site information and perform key tasks efficiently.



Notes: The ATG console can be connected to an explosion-proof alarm bell, enhancing the alarm system with audible and visual alerts to remind staff of critical alerts or abnormal conditions.



Features and Functions

Hardware Parameters

Model	PD-350+/PD-350P/PD-350+ Wireless/PD-350P Wireless
Size and weight	Compact design. PD-350P (With printer) is 7.3 KG, PD-350+ is 6.6 KG
Input voltage range	AC 220 V (±10%) or AC 110 V (±10%) (Customized before delivery)
Display mode	8.0-inch color screen (Text & graphics), user-friendly intuitive interface
Communication port	RS-485 (For sensors, internal); 2×RS-232 serial interfaces (1 supports RS485); 1×USB port; 1×Ethernet-TCP/IP
Console-to-probe/sensor communication	Wired or wireless options available
Data upload methods	Wired (RS232/RS485/RJ45 TCP/IP) or wireless (4G/GSM) options available
Output relays	2 (Expandable to 8/48 channels via expansion box)
Printer	PD-350P (Built-in); PD-350+ supports USB or serial printer
Maximum number of tanks	Standard 16 (Expandable to 32 via optional expansion box); Wireless version up to 8
Number of sensors	Standard 40 (Expandable via optional indoor expansion box, max. 56 per box)
System upgrade	USB or remote upgrade
System language	Multilingual support
Data storage	10,000 records per data type, circular storage

Functions & Features

Offloading monitoring & report generation	Automatically monitors offloading and generates printable reports; Supports BIR/automatic fueling data compensation for report generation (Optional)
Inventory monitoring	Displays tank volume, current volume, TC volume, ullage, water level, density (Requires density probe), and temperature (5 sensors)
Alarm	Overflow/High-High/High/Low/Low-Low product level; High water level alarms; Email alarm push notifications supported by Tank eye®
Tank chart	All-point input supported (Every 1 mm / 10 mm)
Leak detection	Static Leak Detection (SLD), Continuous Statistical Leak Detection (CSLD); 0.1/0.2/3.0 GPH pressure line leak detection (PLLD, up to 8 lines); 0.1 GPH, 0.2 GPH (With PLS-5BX), or custom standards
Abnormal level change	Out-of-hours scheduled burst loss detection
Queryable records	Inventory, delivery, leak, shift, compensation, BIR, sales reports, etc
Reconciliation function	Connects to fuel dispensers for sales data, enabling purchase-sale-stock management (Requires POS/management system integration)
Density monitoring (Optional)	Gasoline: 690~800 kg/m ³ , Diesel: 790~900 kg/m ³ , Accuracy ±3 kg/m ³ (±1 kg/m ³ by customized)
Ethanol-water phase separation detection (Optional)	Optional water-containing ethanol float for phase separation detection
Certification	ATEX, CNEX (IECEX)
Wetstock management platform/app	Tank eye online platform (Web), mobile devices (Android & IOS)
Automation system	Capable with SIoT & third party automation systems (Operable without the console)

