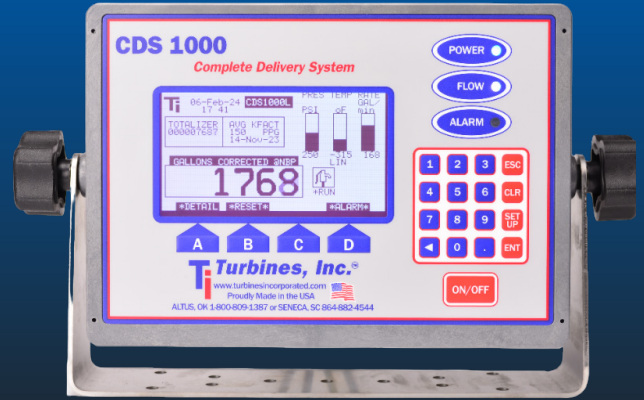


# CDS1000 Cryogenic Flow Totalizer

**HIGHLY ACCURATE AND RELIABLE  
LIQUID MEASUREMENT SYSTEM**



**Turbines, Inc.** is the leader in the design and manufacture of reliable and accurate turbine flow metering equipment, electronic monitors, and accessories. All products are engineered, manufactured, and calibrated using premium quality materials by a skilled team of dedicated professionals, using state-of-the-art equipment.

The CDS1000 is a field programmable complete delivery system that accurately computes and displays actual flow parameters in real time, in both digital and graphic form. The system

operates seamlessly with our TMC Cryogenic flow meters to deliver proven results for low temperature requirements. The CDS1000 monitor is keypad programmable that allows for effortless linerization for enhanced metering accuracy. The CDS1000 monitor can be paired with our handheld, Bluetooth printer for point of sale ticket printing.

CDS1000 Features	
<b>Control &amp; Communication</b>	Pump Control (1) Form C 2A relay Alarm (1) Form C 2A relay RS232 & Bluetooth communications
<b>Diagnostics &amp; Support</b>	Real-Time Detail Diagnostic & Alarm Screens System Alarm Log for fault identification Automatic maintenance reminders
<b>Display</b>	Backlit 240x128 graphic display
<b>Printing</b>	Hand-held bluetooth printer or RS232 printer Multiple tickets with customization options
<b>Miscellaneous</b>	Pump housing temp sensing Pump cavitation protection Simple menu driven programming
<b>Certifications</b>	NTEP Certified, ISO 9001, IP67, OIML R117,R81, MID



**Performance Data**

<b>Signal Input</b>	<p>Frequency range: 0-2500Hz  Sensitivity: 15mv RMS @ 101Hz (min); 50mv RMS @ 500Hz (min); 400mv RMS @ 2.5 KHz (min)  Impedance: Approx. 14K Ohms  Noise immunity: High frequency roll off, FCO @ 2.5KHz  Pickup coil failure detection  Optional dual pickup</p>
<b>Sensor Inputs:</b>	<p>Temperature probes, product &amp; pump housing:  *100, 1K and 10K  *RTD probe:.00385U/U C European din curve  *Stabilized AFE precision current source  Power: Continuous monitoring of main power,  Pressure Transducer, 2-wire and 4-20mA; loop excitation</p>
<b>Physical &amp; Environmental:</b>	<p>Operating temperature: -25 to 50C  Humidity: 5-95%, non condensing  Sealed, shock vibration tested enclosure  Dimensions: 10.5: (L) X 8.9" (H) X 2.75" (W)  Weight: 4.5 lbs without bracket; 5.25 lbs with bracket</p>
<b>Power</b>	<p>*9-26Vdc with self-resetting fuse (polarity insensitive)  *1A @ 12v average power consumption  *Transient protection  *NimH Battery</p>

**Service**

Our dedicated staff offers complete support and recertification for flow meters — whether our own or a competitor's brand. Our calibration services are performed by our trained technicians using the latest testing equipment.

Turbines, Inc. maintains extensive inventories in multiple locations to facilitate rapid, industry leading deliveries.

**Worldwide Support**

We serve customers globally with offices in Altus, OK; Seneca, SC; Odessa, TX; Cranston, RI; and Edmonton, Alberta, Canada.



All Turbines, Inc. products are proudly made in the U.S.A.



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