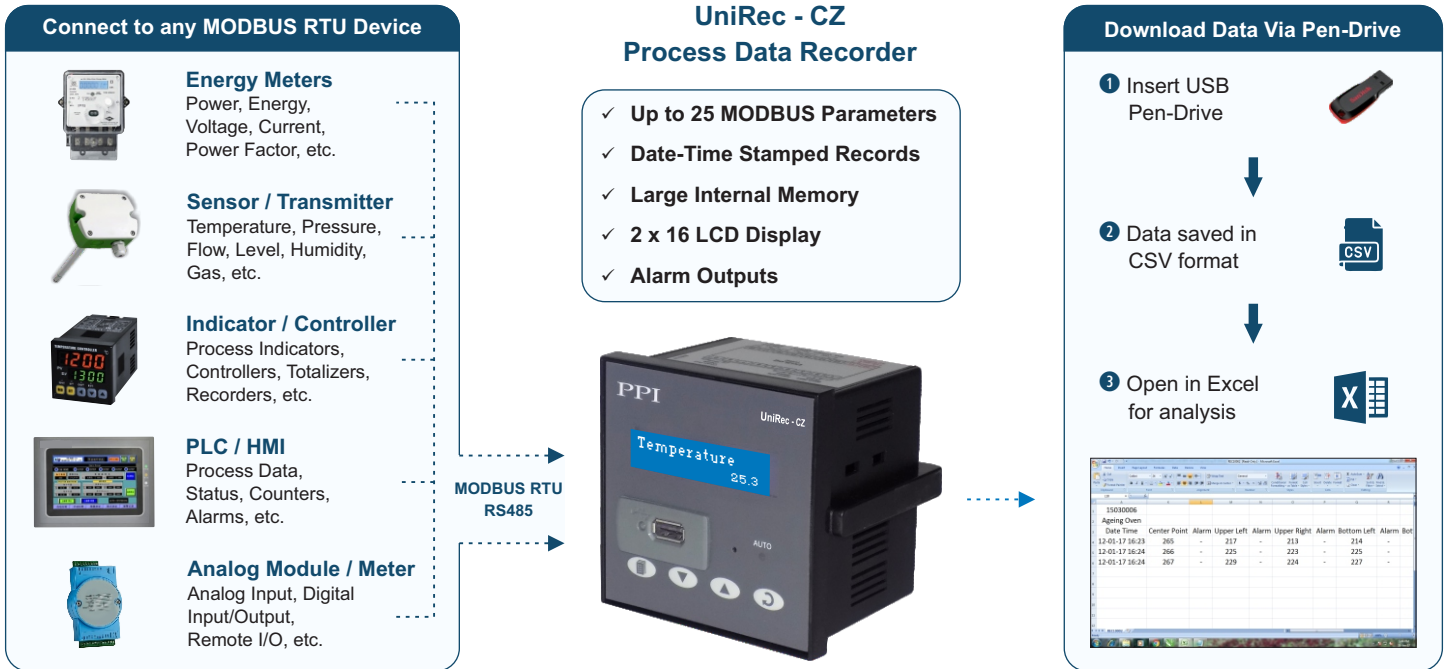


UniRec - CZ

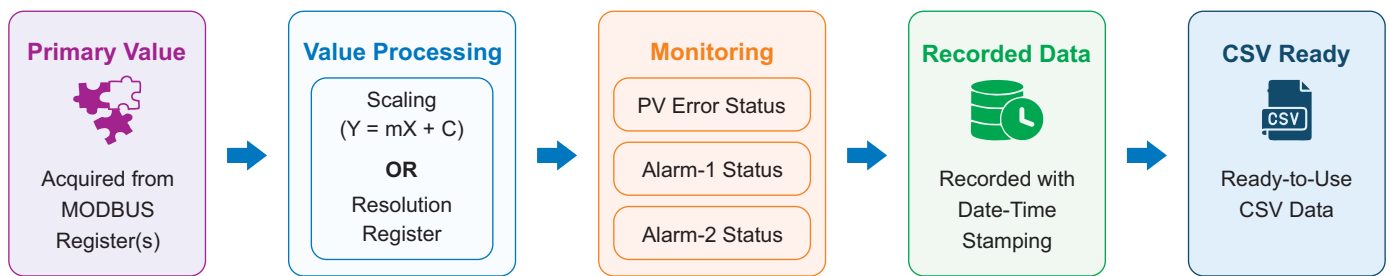
Simple. Reliable. Standalone Process Data Recording.

UniRec-CZ is a compact MODBUS RTU Data Recorder that polls third-party MODBUS devices, reads process values and status information, stores them with date-time stamping, and allows you to download the recorded data to a USB pen-drive in CSV format.

Configure it with ease using the free PC configuration tool - no programming required.



Process Channel Architecture

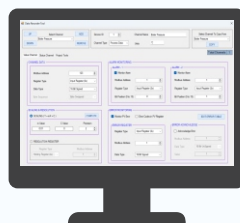


Powerful Recording & Export

- ❖ Reads Process Values & Status Information
- ❖ Supports Multiple MODBUS Data Formats (16-Bit, 32-Bit & Float)
- ❖ Programmable Scaling with Decimal Point
- ❖ User Defined Parameter Names & Units
- ❖ Date / Time Stamped Records
- ❖ CSV Files for Easy Analysis
- ❖ Export to USB Pen-Drive (FAT32)

Configure

Using Free PC Tool



Typical Applications

-  Industrial Automation & Control Panels
-  Utility & Energy Monitoring Systems
-  Pharma / Food & Beverage Industry
-  Water & Wastewater Plants
-  Machine & Equipment Monitoring

MODBUS Data Recorder with Pen-Drive Interface

General Specifications

Digital Readout	2 Rows of 16 Characters LCD Display with Back-Light LED
Keys	4 Tactile Switches (PAGE, DOWN, UP, ENTER)
Alarm Outputs	1 Common High & 1 Common Low Alarm Relay (2A @ 230VAC)
Physical	Mounting : Plug-in with Panel Mounting Clamps Overall Dimensions : 96 (W) X 96 (H) X 65 (D), mm Panel Cutout : 92 (W) X 92 (H), mm
Supply Voltage	85~264 VAC, 50/60 Hz, Single Phase



Recording

Parameters Supported	25 Registers / Coils
Parameter Type	Value Channels & Status Channels
Data Format Supported	Discrete Bit Bit-Mapped Status Word 16-Bit Signed / Unsigned Integer 32-Bit Signed / Unsigned Integer 32-Bit Single Precision Float (IEEE 754)
Value Processing Features	<ul style="list-style-type: none"> ✓ Scaling ($Y = mX + C$) for Decimal Point Adjustment, Unit Conversion & Zero-Offset ✓ Resolution Register Polling for Decimal Point Position ✓ Up to 2 Alarm Status Monitoring ✓ PV Error Monitoring
Recording Interval	Settable (MM:SS) : 2 Seconds to 150 Minutes
Event Recording	Power Up, RTC Change, Recording Interval Change
Recording Output	CSV Formatted Downloaded to Pen-Drive
Internal Storage Device	Non-Volatile, 2 GB SD Card



Date Time	Center Point	Alarm Upper Left	Alarm Upper Right	Alarm Bottom Left	Alarm Bottom Right
12-01-17 16:23	265	-	217	-	213
12-01-17 16:24	266	-	225	-	223
12-01-17 16:24	267	-	229	-	224

Serial Interface (for Back-end Devices)

Interface Type	RS485 (2-Wire Half Duplex)
Protocol	MODBUS RTU
Baud Rate	2400, 4800, 9600, 14400, 19200, 38400, 57600 bps
Parity	None, Even, Odd
Slave Response Timeout	0.3 to 5.0 Seconds (300 to 5000 mSec)
Delay Between Polls	0.1 to 1.0 Seconds (100 to 1000 mSec)
Node Capacity	31
Max. Cable Length	1200 Meters (at 9600 bps)



MODBUS Data Recorder with Pen-Drive Interface

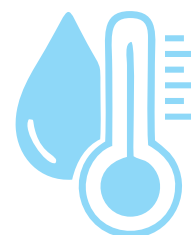
USB Interface

Interface Type	USB 2.0 (Type A)
Connector	Front Panel USB Port, Type A
Device Support	USB Pen-Drive
File System Support	FAT32
Supported Pen-Drive Capacity	16 GB / 32 GB (Tested)

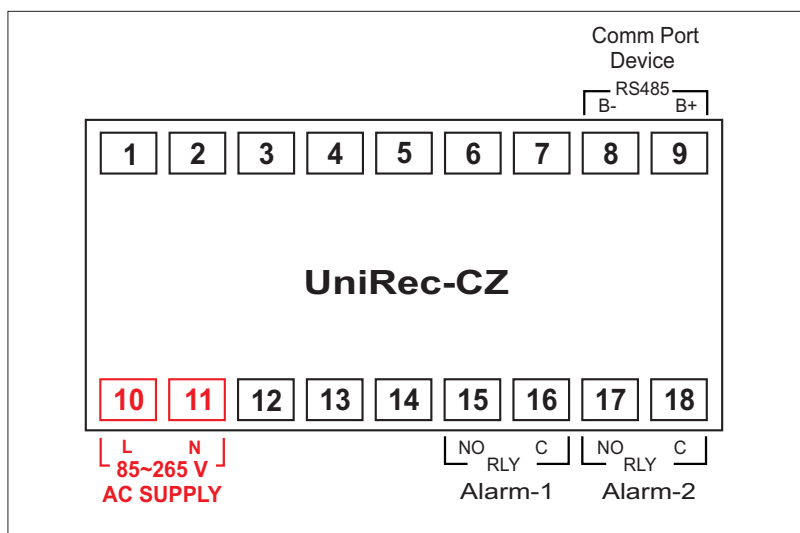


Environmental

Operating Environment	0 to 55°C & 5 to 90%RH Non-condensing
Storage Temperature	-10 to +70°C
Atmospheres	Not Suitable for use in Corrosive or Explosive Atmospheres. The Panel in which the Instrument is Mounted must be free of Electrically Conductive Pollution.



Back Panel Termination



Process Precision Instruments (An ISO 9001 : 2008 Company)

📍 101, Diamond Industrial Estate, Navghar, Vasai Road (E), Dist. Palghar - 401210, Maharashtra, India
 📞 Sales : 8208199048 / 8208141446 Support : 07498799226 / 08767395333
 ✉️ sales@ppiindia.net 🖱️ www.ppiindia.net