

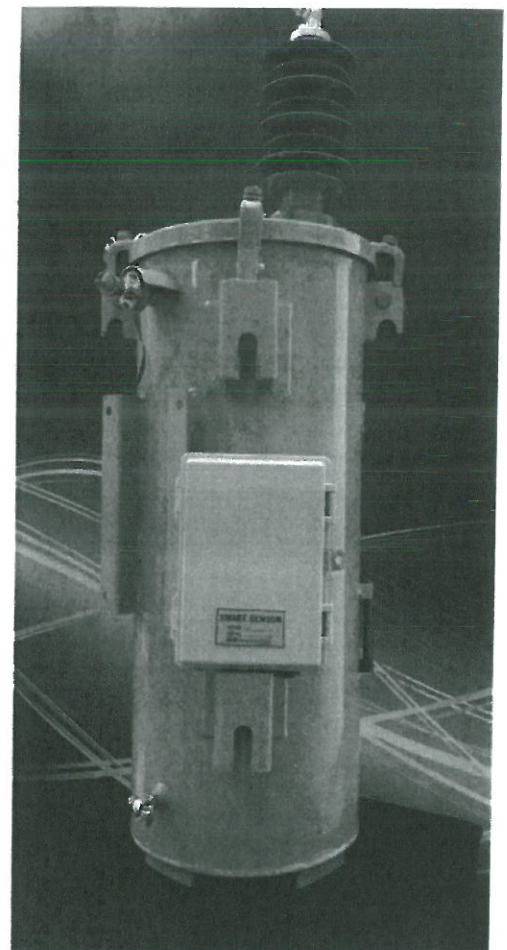
# Energy Theft Detection

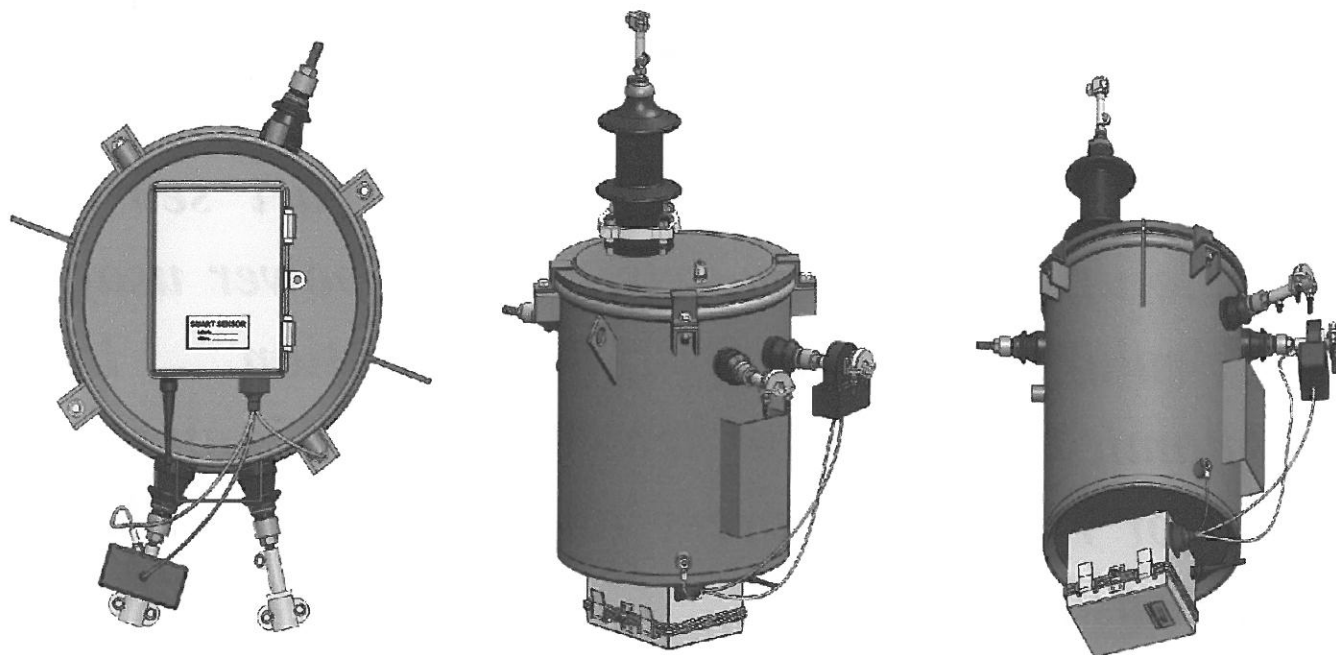
## TD1000 / TD2000

**iUS** TECHNOLOGIES  
*Born Smart*

*The TD1000 & TD2000 remote smart sensors enable utilities to remotely monitor power usage, particularly for energy theft detection. This economical and comprehensive solution is an ideal tool for revenue recovery and pinpointing illegal power usage.*

- Single & Three Phase Monitoring
- Superior Accuracy
- Customizable KWh monitoring
- Unsolicited Messaging & Alerts
- DNP3 compliant
- Easy installation with magnetic attachment
- Includes quick connect CT's and integrated wireless communications
- Requires no additional power source





## TD1000/2000 Specifications

MEASURED I/O:		COMMUNICATIONS:	
Analog Inputs (0.2% Accuracy)	input range: 60 to 277 VAC(L-N) and 10 Amps	Serial Ports (External)	1 Optically Isolated RS232 port for WAN radio
Digital Inputs	2 Inputs (Optically Isolated), 12 VDC wetting voltage provided	Local Console Port	1 USB 2.0 compliant port for terminal emulator
Digital Outputs	2 Mechanical relays rated at 120 VAC and 1 Amp, dry contact Form C outputs	Internal Communication	Internal RF Mesh Radio or cellular modem
		External Antennas	Surge protection for WAN radio antenna is built in
COMPUTING:		PHYSICAL:	
Configuration	Threshold, dead-band, kwh settings are remotely configurable via DNP3 Master	Enclosure	NEMA 4X with utility applied padlock and breather
Local Display	Sequences through measured values and device status information	Mounting	Magnetic connection for quick connect
Local Storage	2 GB SD card for remote firmware updates and historical data storage	Outer Dimensions	7.25" W x 8.75" H x 5.25" D
		Weight	Less than 5 lbs
		Operating Range	-40°C to 70°C with humidity to 90% non-condensing
OPTIONS:		MEASUREMENTS:	
High precision CT's for superior accuracy		True-RMS voltage and current values	
Internal RF Mesh Radio or cellular modem		kWh	
Tamper alert		Frequency	
		Active/Reactive/Apparent power	
		Power factor	
		THD/TDD values	

# Distribution Transformer Monitoring

## TM1000 / TM2000

**iUS** TECHNOLOGIES  
*Born Smart™*

*The TM1000 & TM2000 provides utilities with a comprehensive, real time view of their assets in the field. The unique feature of Total Combustible Gas (TCG) along with temperature, and load monitoring allows for optimal utilization and maintenance of distribution transformers (Pad-Mounted & Overhead)*

- Single or Three Phase Monitoring
- Superior Accuracy
- Total Combustible Gas (TCG) Analysis
- Insulation Oil Temperature
- Unsolicited Messaging & Alerts
- DNP3 compliant
- Easy installation with magnetic attachment
- Integrated wireless communications
- Requires no additional power source

