READY FOR SMARTER LAB INTEGRATION

SU780XLE | Upright Ultra-Low Temperature Freezer

Stirling
ULTRACOLD

Add optional Ethernet connectivity to our latest SU780XLE ultra-low freezers and monitor sample storage status beyond the status quo...

Leverage site wireless or wired infrastructure to transmit to BMS/BAS or 3rd-party monitoring system. Subscribe to all data outputs or select only the ones you want:

- ⊘ Time/Date of every data point (temperature and events)
- ⊘ Cabinet temperature
- ⊘ Door status and Battery status
- ⊘ Detailed Alarm information including diagnostic faults and maintenance issues

Freezer automatically sends only data that has changed every 3 seconds

- ⊘ Transmits in BACnet™ protocol for BMS/BAS systems
- ⊘ Onboard server transmits data via MQTT protocol for machine-to-machine (M2M) connections over the Internet or Intranet
- ⊘ Doesn't tax data storage media with unwanted duplicate data

	SU780XLE Connectivity Options		Status Quo ULT Connectivity		
DATA TRANSMISSIONS	**BACnet™**	**MQTT**	**3rd-Party Temp Monitoring**	**4-20mA**	**Dry Contacts**
Time/Date Stamp	Y	Y	N	N	N
Internal Temperature	Y	Y	Y- via 2nd RTD	Y- 2nd RTD	N
Alarm Status/Detail	Y	Y	Temp only in Cloud	Temp Only from BMS/BAS	N
Alarm Notification – No Details	N/A	N/A	N	N	Y
Door Sensor	Y	Y	N	N	N
Diagnostic monitoring – (electronics, Stirling engine)	Y- Output as "Check Engine" alarm	Y- Output as "Check Engine" alarm	N	N	N
Transmission Protocol	BACnet™	MQTT	Varies	NONE	NONE
SYSTEM CAPABILITIES					
SMS/Email Alarm Alerts	BMS specific	3rd party System specific	Y- Cloud Alarms only	Possible via BAS	N
View Data from any Browser	BMS specific	3rd party System specific	Y	N	N
Predictive Failure/ Maintenance	Y- Part of Alarm Status/Detail	Y- Part of Alarm Status/Detail	N	N	N
Secondary RTD Sensor	Optional	Optional	Y	Y	N

STIRLING POWER