



PROtect Generation 2

Sample Monitoring Made Easy



ESCO

WORLD CLASS. WORLDWIDE.

PROtect Generation 2

Remote Monitoring, Programming, and Data Logging Software

The PROtect sensors measure, record, and transmit data measurements via the Esco operator network or a private Esco gateway.



- Monitoring of temperature, humidity, gas, pressure, and countable events
- Very low power consumption (battery life up to 4 years)
- Direct-reading on the LCD display
- Suitable for monitoring locations with:
 - few sensors
 - storage areas spread on a wide territory
 - a need of real-time transportation

The Next Generation of Connected Sensors

The next generation of connected sensors monitor sensitive products during storage and transportation, and ensure the reliable and precise monitoring required by standards and regulations: ISO 17025, GMP, and GLP.

Measuring of various parameters	Temperature, Humidity, Pressure, Gas, Door opening, etc.
Real-time alarms	The sensors are equipped with operating and warning light indicators. Alerts are sent through SMS, e-mail, and voice message according to your planning alerts.
Metrology	The sensors can be delivered with calibration certificates.
10,000 data points recording	The sensors are equipped with an internal memory that is able to record up to 10,000 data points.
Easy installation and use	Miniaturized sensors can be placed close to sensitive products and are automatically detected on the Esco platform. Colour rings make it easy to determine the configuration of each sensor.

Subscription

	BASIC	PLUS	PRO
Data Reading (maximum) Measurements, Graphs, History, Activity Report	The last 2 months	The last 18 months	The last 5 years
Data Archives (Data reading period included)	The last 12 months	The last 3 years	The last 10 years
Technical Support (Online Help, Tutorial)	Provided	Provided	Provided
Number of User Accounts	2	Unlimited	Unlimited with customizable profiles
21 CFR Part 11 Compliance			Provided

Models



PROtect G2 T0

-40°C to +85°C
Temperature
sensor
Ambient



PROtect G2 T1

-30°C to +70°C
Temperature and door
opening sensor
Ambient



PROtect G2 T2

-50°C to +105°C Temperature sensor
with external probe for freezer,
refrigerator, and incubator



PROtect G2 T3

-200°C to 0°C
Extreme low
temperature sensor
with external probe



Gateway

Transmission of
data to the Esco
cloud



PROtect G2 Digital

Temperature and humidity
sensor with external digital
probes



PROtect G2 U

Universal analog input sensor
PT100 / 0-1V
0-20mA / 4-20mA
Counting / Dry contact



PROtect G2 TH1

-30°C to +70°C
0 - 100% RH
Temperature and humidity sensor
Ambient










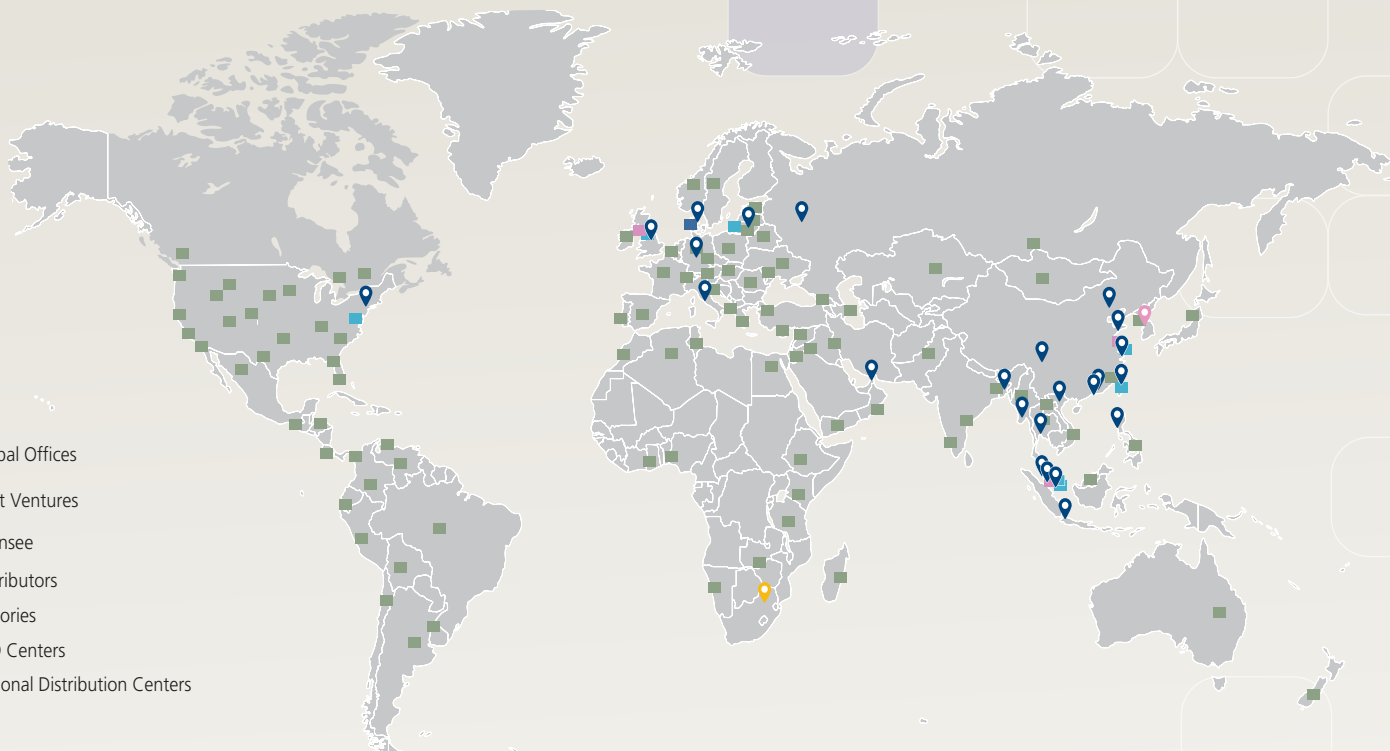
Gateway

Transmission of data
to the Esco cloud

ESCO GLOBAL NETWORK

42 Locations in 21 Countries All Over the World

-  Global Offices
-  Joint Ventures
-  Licensee
-  Distributors
-  Factories
-  R&D Centers
-  Regional Distribution Centers



ART Equipment
 Biological Safety Cabinets
 CO₂ Incubators
 Compounding Pharmacy Equipment
 Containment / Pharma Products
 Ductless Fume Hoods
 Freeze Dryers
 Lab Animal Research Products
 Laboratory Centrifuges
 Laboratory Fume Hoods
 Laboratory Ovens and Incubators
 Laboratory Shakers
 Laminar Flow Clean Benches
 PCR Cabinets
 PCR Thermal Cyclers
 Powder Weighing Balance Enclosures
 Ultra-low Temperature Freezers

The Esco Group of Companies is a global life sciences tools provider with sales in over 100 countries. The group is active in lab equipment, pharma equipment and medical devices. Manufacturing facilities are located in Asia and Europe. R&D is conducted worldwide spanning the US, Europe and Asia. Sales, service and marketing subsidiaries are located in 12 major markets including the US, UK, Singapore, Japan, China and India. Regional distribution centers are located in the US, UK, and Singapore.

Life Science • Chemical Research • Assisted Reproductive Technology (ART) • Pharmaceutical Equipment • General Equipment

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