

REOTEMP[®]

INSTRUMENTS



COMPOST PRODUCT & PRICING GUIDE



Measuring your world since 1965™

HEAVY DUTY COMPOST THERMOMETER

The Heavy Duty thermometer is our most popular model. Its 5/16" diameter stem and rugged all stainless design is perfect for an industrial composting facility. Add a Probe Handle for easy insertion and to protect the dial. If you need maximum protection from bending, add our Probe Guard.



5/16" (.31") Stem Diameter



Model #	Stem Length	Price
A24PF	2 ft.	\$ 99
A36PF	3 ft.	\$ 119
A48PF	4 ft.	\$ 159
A60PF	5 ft.	\$ 209
A72PF	6 ft.	\$ 259

Code	Range
F43	0 to 200°F
C43	0 to 100°C
D43	0 to 200°F & -10 to 90°C



MADE IN THE USA



ACCURACY



COMPATIBLE



COMPATIBLE

- Rugged All Stainless Steel Construction
- Made in the USA
- 5/16" Diameter Heavy Duty Stem
- Hermetically Sealed Dial (Won't Fog Up)
- Large & Easy-to-Read 3" Dial



For Extra Protection:
Pair with a REOTEMP
Probe Handle
(Sold Separately)

SUPER DUTY COMPOST THERMOMETER WITH FAST RESPONSE

The Super Duty Fast Response thermometer is the best of both worlds, it's stronger and has a 20% faster response time than our heavy duty model. It's a great choice if you need extra strength and are looking to speed up the temperature collection process. Add a Probe Handle for easy insertion and to protect the dial.



**3/8" (.38") Stem Diameter
(Stronger than Heavy Duty)**



Model #	Stem Length	Price
A24FR	2 ft.	\$ 149
A36FR	3 ft.	\$ 169
A48FR	4 ft.	\$ 209
A60FR	5 ft.	\$ 259
A72FR	6 ft.	\$ 309

**1/4" (.25") Tip Diameter
(Heats Up Quicker)**



MADE IN THE USA



ACCURACY



COMPATIBLE

- 20% Faster Response Time
- Made in the USA
- Super Duty 3/8" Stem Diameter & Fast Response 1/4" Tip
- Stronger Stem and Durable All Stainless Steel Construction

Code	Range
F43	0 to 200°F
C43	0 to 100°C
D43	0 to 200°F & -10 to 90°C

PROBE HANDLE

The Probe Handle is a great accessory. It gives you something to hold onto as you push the probe into the pile or pull it back out. It threads onto the back of the dial.



- Attaches to Heavy Duty or Super Duty Models
- Makes insertion and removal of probe easier
- Protects the dial

Model #	Price
FM-0	\$ 28

PROBE GUARD

The Probe Guard is a good choice if your compost has large chunks of wood or other material which is likely to cause the stem to bend. The guard consists of a thick walled stainless steel sheath that fits tightly against the HD thermometer stem along with a probe handle for insertion/removal.

Model #	Stem	Price
FM24-16	2 ft.	\$ 139
FM36-16	3 ft.	\$ 149
FM48-16	4 ft.	\$ 159
FM60-16	5 ft.	\$ 169
FM72-16	6 ft.	\$ 179

For use
with heavy
duty models
ONLY.

HEAVY DUTY DIGITAL COMPOST THERMOMETER

The New REOTEMP Heavy Duty Digital Compost Probe is a high accuracy probe which features an easy-to-read digital display with integrated probe handle. This probe is well suited to larger compost piles where a more rugged probe is needed. The durable 5/16" diameter stem can be bent and the unit will still function. The Heavy Duty Digital comes with a 1 Year Limited Warranty and is made in the USA. Our digital units are accurate to $\pm 0.6^{\circ}\text{F}$ at 131°F ($\pm 0.3^{\circ}\text{C}$ at 55°C). The battery life is rated to 5 years.

NEW!

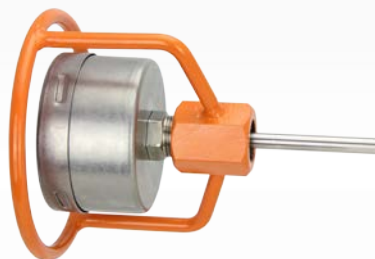


5/16" (.31") Stem Diameter



Model #	Stem Length	Price
DC24PF	2 ft.	\$ 289
DC36PF	3 ft.	\$ 299
DC48PF	4 ft.	\$ 309
DC60PF	5 ft.	\$ 319
DC72PF	6 ft.	\$ 329

Code	
F	-58 to 392°F
C	-50 to 200°C
DBP	Replacement Battery Pack \$10



MADE IN THE USA



HIGH ACCURACY

- Water Resistant: NEMA 4X/IP67
- High Accuracy RTD: $\pm 0.6^{\circ}\text{F}$ at 131°F
- 5 Year Battery Life
- Made in the USA
- 5/16" Diameter Heavy Duty Stem

Accuracy	$\pm (0.36 + 0.002 \times t - 32) ^{\circ}\text{F}$, $\pm (0.2 + 0.002 \times t) ^{\circ}\text{C}$, where t = temperature
Sensor	1,000Ω Class A RTD
Temperature Range	-58°F to 392°F (-50°C to 200°C)
Refresh	3 Seconds
Probe Material	304 Stainless Steel
Water Resistance	NEMA 4X/IP67
Power	1x 3.6V AA Battery
Battery Life	5 Years

SUPER DUTY DIGITAL COMPOST THERMOMETER WITH FAST RESPONSE

The New REOTEMP Super Duty Digital Compost Probe with Fast Response is a high accuracy probe which features an easy-to-read digital display with integrated probe handle. The Fast Response design results in a 20% faster response time vs. the Heavy Duty model, speeding up the temperature collection process. The durable 3/8" diameter stem is thicker than the Heavy Duty model. Like the Heavy Duty model, the stem can be bent and still function. The Super Duty Digital comes with a 1 Year Limited Warranty and is made in the USA. Our digital units are accurate to $\pm 0.6^{\circ}\text{F}$ at 131°F ($\pm 0.3^{\circ}\text{C}$ at 55°C). The battery life is rated to 5 years.

NEW!



**3/8" (.38") Stem Diameter
(Stronger than Heavy Duty)**



Model #	Stem Length	Price
DC24FR	2 ft.	\$ 319
DC36FR	3 ft.	\$ 329
DC48FR	4 ft.	\$ 339
DC60FR	5 ft.	\$ 349
DC72FR	6 ft.	\$ 359

Code	
F	-58 to 392°F
C	-50 to 200°C
DBP	Replacement Battery Pack \$10

**1/4" (.25") Tip Diameter
(Heats up Quicker)**



MADE IN THE USA



HIGH ACCURACY

- 20% Faster Response
- Water Resistant: NEMA 4X/IP67
- High Accuracy RTD: $\pm 0.6^{\circ}\text{F}$ at 131°F
- 5 Year Battery Life
- Made in the USA
- 3/8" Diameter Super Duty Stem

Accuracy	$\pm (0.36 + 0.002 \times t - 32) ^{\circ}\text{F}$, $\pm (0.2 + 0.002 \times t) ^{\circ}\text{C}$, where t = temperature
Sensing Element	1,000Ω Class A RTD
Temperature Range	-58°F to 392°F (-50°C to 200°C)
Refresh	3 Seconds
Probe Material	304 Stainless Steel
Water Resistance	NEMA 4X/IP67
Power	1x 3.6V AA Battery
Battery Life	5 Years

ECOPROBE™ WIRELESS TEMPERATURE MONITORING SYSTEMS



REOTEMP's EcoProbe™ System wirelessly monitors the internal temperature of your compost piles. With over 20 years in the compost industry, REOTEMP has used its experience to design and build the most durable and reliable probe on the market. Developed for industrial compost operations, the EcoProbe System reduces labor costs while increasing efficiency, product quality, and operational control. When you invest in an EcoProbe System, you ensure years of hassle-free monitoring.

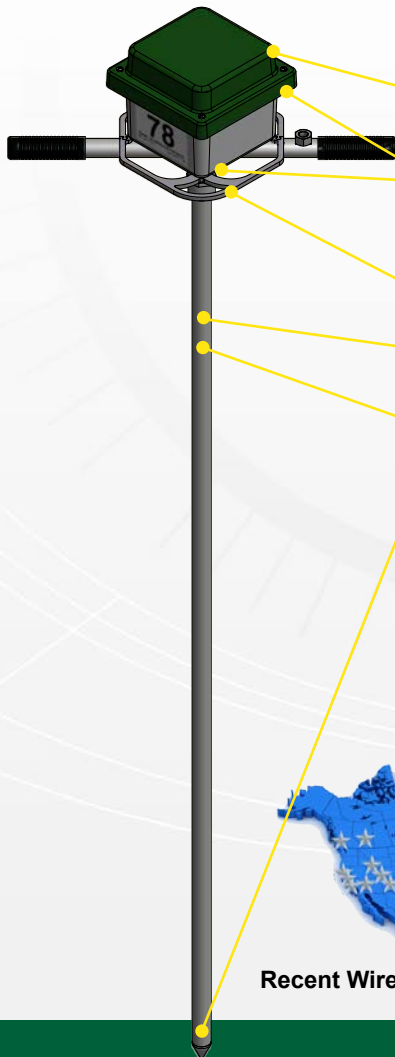
Triple Sealed Enclosure: Compost may seem like a fairly harmless media but in reality it's a very harsh and corrosive environment. REOTEMP's EcoProbes are built to last. Our unique enclosure helps probes withstand the demanding wear of a compost site. Wireless probes are subjected to large changes in temperature and (if outdoors) exposed to the weather. An

improperly sealed enclosure is prone to open over time, allowing moisture and corrosive atmospheric gases to damage electronic components.

Non-metal Stem Sheath: When stainless steel stems are left in compost for days or weeks at a time, they are very likely to corrode and pit. In a few months, this corrosion can eat all the way through the stem and cause probe failure. To prevent this corrosion, REOTEMP has designed a unique non-metal sheath which completely encases the inner stainless steel stem. Our design prevents corrosion, while maintaining proper heat transfer.

Customized Wireless Technology: To create reliable wireless systems designed specifically for large compost sites, REOTEMP partnered with a trusted wireless company with over 20 years of experience in industrial wireless systems. Some of these demanding applications included wireless systems in locomotives, cranes, construction vehicles, and military vehicles. Our current wireless system uses custom designed radio modules and receivers, as well as site-specific antennas and the 902-928 MHz frequency. All of these components make the REOTEMP wireless system far more reliable than "off the shelf" systems some competitive probes use.

Roll Cage: Our stainless steel roll cage helps protect the enclosure from the bumps and bruises that come with the real world wear and tear at an industrial compost facility. It's one of many design features that result in the most durable wireless probe on the market.



Features

REOTEMP Wireless Technology

REOTEMP Proprietary Triple Sealed Enclosure (NEMA 4X)

Roll Cage

CPVC Sheath

Dual Temperature Sensors

Long Battery Life

PLC System Integration

60" Orange Locator Flag

2 Year Limited Warranty

Benefits

1,000ft range standard, repeater available for longer range

Helps keep the harshest elements out of the head, for a long lasting probe at outdoor, indoor and tunnel facilities

Prevents damage to the head

Withstands even the most corrosive biosolids

Provides a temperature profile inside the pile, 1" from the tip and 38" from the tip

1.5 years of use at 15min sampling

Easily integrates with Modbus, DeviceNet, Ethernet/IP

Prevents mishaps from losing sight of the probe

Recent Wireless Projects



ECOPROBE™ RECEIVER/ANTENNA

REOTEMP's EcoProbe™ System is customized to meet your facilities unique needs. REOTEMP's proprietary wireless system can be customized to increase transmitting power for even the largest of facilities.



Antenna

Each facility has its own unique layout and setup, which means we'll need to customize the antenna we use to fit your needs. On any application, we use only high quality antennas that are above and beyond what is needed. This ensures you'll have consistent readings. It also accounts for the occasional interference typically found on composting sites (large equipment driving between probes and the receiver antenna, probes at various angles, etc.).



Receiver

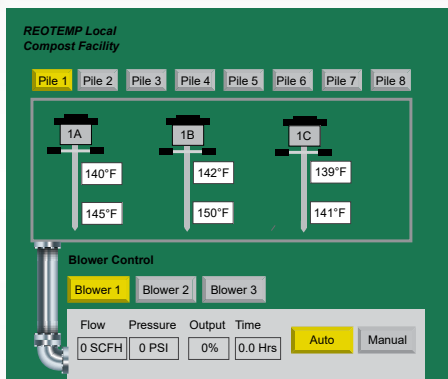
REOTEMP's Terminal Receiver organizes data packets from EcoProbes located in the field. Typically, the receiver is mounted to an internal wall of the control building. The Receiver is either hardwired into the PLC or wirelessly transmits its data to a personal computer.

ECOPROBE™ PLC & PC SOFTWARE

For PLC systems, REOTEMP partners with a 3rd party to create and customize HMI software to your facility. For PC systems, REOTEMP offers its own windows-based software called Compost Watch™.



Compost Watch™ PC Software



Example HMI Screen for PLC System

HMI screens are created to your specifications and can include blower controls as well as automated programs.

Compost Watch™:

- Displays live temperature readings as they come in from the radio link.
- A log history of the readings: history can be viewed graphically or exported into standard windows applications such as Excel.
- Support: Unlimited phone support. We stand behind our products.

Data Range Selector: with quickset or custom date ranges.

- Low & High Temp Warnings & Alarms
- Online/Offline Indicator Light
- Battery Status Indicator Light
- Temperature Chart
- Temperature Table



Questions?
compost@reotemp.com
Find out more at
www.reotemp.com/ecoprobe



OXYTEMP™ OXYGEN & TEMPERATURE PROBE

The OxyTemp allows you to take samples of air from deep within a compost pile and instantly read the % oxygen present. As an added benefit, it will simultaneously take a temperature reading. Both % oxygen and temperature are displayed on the top of the probe on two independent LCD screens. Our probe has QUICK CLEAN technology, which allows you to unclog the tip and then begin sampling again in a matter of seconds.



MADE IN THE USA



Model #	Stem Length	Price
OXYTEMP24	2 ft.	\$ 2,160
OXYTEMP36	3 ft.	\$ 2,200
OXYTEMP48	4 ft.	\$ 2,240
OXYTEMP60	5 ft.	\$ 2,280
OXYTEMP72	6 ft.	\$ 2,320

Code	
REPLYOXY	Replacement O2 Sensor \$150
REPLTIP	Replacement Tip \$60

- Oxygen & Temperature in One Probe
- Easy to Use QUICK CLEAN Feature for Clogged Tip (Patent Pending)
- Durable Stainless Steel Construction
- Replaceable Tip
- Dual Electronic Display
- Fahrenheit and Celsius Switch Selectable
- Built in Handle

Probe Material	Stainless Steel
Oxygen Range	0 to 100% Oxygen
Oxygen Accuracy	± 2% Full Scale
Oxygen Display Resolution	1%
Temp. Range	0 to 200°F and 0 to 90°C (Selectable)
Temp. Accuracy	± 1% Full Scale
Temp. Resolution	1°
Battery	1 x 9V
Warranty	1-Year Limited
Calibration	Use black calibration knob to calibrate to 20.9% in ambient air.



LONG STEM COMPOST MOISTURE METER



The REOTEMP Long Stem Compost Moisture Meter allows you to measure relative moisture deep within a large compost pile. The unit is user-calibrated to an "ideal" moisture level, as chosen by the user. The meter indicates relative moisture by means of a sensor at the bottom tip of the probe.

The moisture meter is calibrated by inserting the tip into an "ideal" sample of compost or soil and adjusting the needle to a "5" on the 0 to 10 scale. Then, the next time you insert your moisture meter you'll know relative to your ideal moisture content whether your compost is too dry or too wet. Note: The meter does not give a percent moisture content. The meter is sensitive to changing salt content and can be used to track leachate.



- Perfect for Municipalities and Large Compost Operations
- Calibrates to Your Soil or Compost, 0-10 Wetness Scale
- Powered by One AAA Battery (Included)
- Rugged Construction with T-handle

Model #	Stem Length	Price
MM24	2 ft.	\$ 68
MM36	3 ft.	\$ 98
MM48	4 ft.	\$ 128
MM60	5 ft.	\$ 158

HARD WIRED PROBES

Hard wired RTD probes use heavy duty wire to physically connect the temperature probe to your PLC or controller. These wires are often over 100 ft long. They are a good option in facilities that desire continuous monitoring at a lower cost than wireless monitoring. Our CPVC sheath protects the stem from corrosion, making it a very rugged and reliable design. A thermocouple version is also available, contact factory.



Model #	Stem Length	Price
HW24CPVC??	2 ft.	\$ 239
HW36CPVC??	3 ft.	\$ 249
HW48CPVC??	4 ft.	\$ 259
HW60CPVC??	5 ft.	\$ 269
HW72CPVC??	6 ft.	\$ 279



MADE IN THE USA



ACCURACY

- Corrosion Resistant CPVC Sheath
- Hard Wire into Your PLC or Controller
- Extremely Rugged & Reliable
- Stainless Steel T-handle & All Welded Design
- 60" Marking Flag Included
- 100Ω RTD Sensor

Code

?? ?? = Length of Lead wire in Feet,
\$0.50 per Foot

Customer must specify a lead wire length.

TX 4-20mA Transmitter with Head
(Optional) \$150

BACKYARD COMPOST THERMOMETER



The backyard compost thermometer is perfectly designed for the home composter. It has basic composting instructions printed on the back of the package, temperature ranges on the dial face, and a durable 20" stem that will reach the center of most compost piles or bins.



- **Thick 1/4" Diameter Stem for Higher Durability**
- **Hermetically Sealed: Won't Fog Up. Can be Left in the Compost Pile Over Night**
- **Composting Instructions: Included to Get You Started**
- **Read at a Glance Dial: °F or °C with 3 Temperature Zones that Indicate Compost Activity - Steady, Active and Hot**
- **1.8" Dial Size**
- **Rugged, all Welded Stainless Steel Construction**
- **Unbreakable Plastic Lens**



Model #	Stem Length	Temp. Range	Price
FG20P	20"	0 to 200°F	\$ 32
FG20P-C43	20"	0 to 100°C	\$ 32

BACKYARD MOISTURE METER



Used by composters, farmers, and nurseries across country, the Backyard Moisture Meter is perfect for a backyard compost pile or gardeners looking to measure the relative moisture of their soil. The unit

is user-calibrated to an "ideal" moisture level, as chosen by the user. The meter indicates relative moisture by means of a sensor at the bottom tip of the probe. The moisture meter is calibrated by inserting the tip into an "ideal" sample of compost or soil and adjusting the needle to a "5" on the 0 to 10 scale. Then, the next time you insert your moisture meter you'll know relative to your ideal moisture content whether your soil or compost is too dry or too wet. Note:

The meter does not give a percent moisture content. The meter is sensitive to changing salt content and can be used to track leachate.

- **Easy to Operate for Home Composers, Gardening, Schools & Community Programs**
- **Rugged Metal Construction**
- **Long 17" Stem with Thick 5/16" Diameter**
- **Powered by One AAA Battery (Included)**
- **Calibrates to Your Soil or Compost, 0-10 Wetness Scale**



Model #	Stem Length	Price
MM17	17"	\$ 35

CONTACT

Address 10656 Roselle St.
San Diego, CA 92121

Phone (858) 225-1889

E-mail compost@reotemp.com

Web reotemp.com/compost



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"Reotemp Compost"
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REOTEMP WARRANTY We warrant bimetal dial compost thermometers, the new digital compost thermometers (model DCXXXXX), probe guards, probe handles, moisture meters, thermocouple probes, and OxyTemp™ probes against defective materials or workmanship under normal use and service for 1 year following the date of shipment. We warrant hand held digital displays for 90 days from date of shipment. We warrant the EcoProbe™ system (wireless temperature monitoring) for two years from the date of shipment. This warranty does not cover exposure to corrosive materials, temperatures in excess of those recommended, excessive vibration, or forces or abrasions that cause bending or unsealing of the case or stem. For United States, International and Canadian customers, the customer is responsible for the cost of shipping product(s) back to REOTEMP's factory. Upon inspection, if the product is determined to have defective materials or workmanship under normal use, then REOTEMP will repair or replace the product(s) and cover the cost of shipping back to the customer. REOTEMP guarantees the products will perform within the cataloged performance specifications if used within specified parameters. Determination of defect or failure will be made by REOTEMP or at a certified test facility. Warranty is limited to replacement of the unit or repair of the unit at the factory. This warranty is expressly in lieu of any other warranty, expressed or implied, and of all other obligations or liability on our part for damages, including but not limited to, consequential damages arising out of use or misuse of our instruments, and we neither assume nor authorize anyone to assume for us, any other liability in connection with the sale of our instruments or sensors. Suitability of the product for the application selected by the customer. REOTEMP reserves the right to make product improvements and change product specifications at any time without notification. Please contact REOTEMP for verification of all critical dimensions and specifications.

reotemp.com/compost

CPPG-0916