

ERROR-FREE AND ACCURATE SEMEN-THAWING THAT ENHANCES CONCEPTION RATES

Introducing
prompt[®]
THAWEASY
frozen semen thawing system



CURRENT SCENARIO

The current thawing process for frozen semen involves manual methods that lack precision and consistency. Semen is thawed in water baths, and even minor deviations in temperature or duration can impact semen quality. Sub optimal thawing affects the motility and viability of the sperm,

resulting in reduced conception rates. Given the criticality of this step, an accurate and controlled thawing process is imperative to maximize conception rates and improve breeding outcomes.

HOW MINOR CHANGE IN TEMPERATURE CAN AFFECT THE MOTILITY OF THE SEMEN

Parameter / thawing temperature	T1(36°C, 30 sec)	T2(38°C, 30 sec)	T2(40°C, 30 sec)
Total motility (%)	63.2 ± 2.46 ^b	74.9 ± 2.23 ^a	72.3 ± 2.01 ^a
Progressive motility (%)	31.5 ± 2.14 ^b	41.9 ± 2.23 ^a	40.5 ± 2.10 ^a

KEY FEATURES

High-precision
regulatory sensors

Durable, lightweight,
and portable for all
weather condition

In-built battery for
easy field operation

Operating
temperature
range: 5°C to 50°C

Digital display for
precise interpretation

An integrated buzzer to
guide & keep the user alert
while using the device

BENEFITS

- › Enhances conception rates, reduced inter-calving intervals, and optimized breeding efficiency
- › Data analytics report emphasizing areas, villages, or specific users requiring improvement
- › THAWEASY incorporates digital systems which ensures that correct thawing SOP is followed, and it can be monitored remotely
- › Ensures proper implementation of AI process on ground level - increases reliability of AI programs, reduces cost of AI programs
- › Enables efficient monitoring of SOP implementation for large service providers (co-operative dairy, NGO, Govt. Organization)

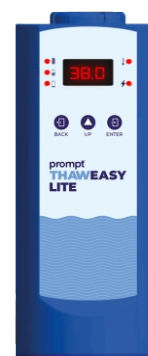
THAWEASY MODELS

prompt
THAWEASY
SMART PRO
digital frozen semen thawing system



***Prompt ThawEasy Smart**
Semi automatic model also available

prompt
THAWEASY
LITE
frozen semen thawing system



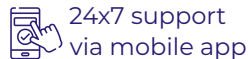
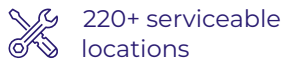
***Prompt ThawEasy Lite Plus**
Model with bluetooth and mobile app

TECHNICAL SPECIFICATIONS

Product	ThawEasySmartPro	ThawEasySmart	ThawEasyLitePlus	ThawEasyLite
Controller	16-bits	16-bits	16-bits	16-bits
Keys	3 Push Buttons	3 Push Buttons	3 Push Buttons	3 Push Buttons
Display	3 digits, 7-Segment Display for temperature(°c) and time set-point indication, unit default (°c)	3 digits, 7-Segment Display for temperature(°c) and time set-point indication, unit default (°c)	3 digits, 7-Segment Display for temperature(°c) and time set-point indication, unit default (°c)	3 digits, 7-Segment Display for temperature(°c) and time set-point indication, unit default (°c)
LEDs	6 LEDs Indicator	6 LEDs Indicator	6 LEDs Indicator	5 LEDs Indicator
Bluetooth	BLE In-built	BLE In-built	BLE In-built	Not Included
Battery	12V Li-Ion 5000mAh; Battery life can support up to minimum 30 thawing cycles(1 straw at a time) or last for 3 days, whichever is earlier under standard operating conditions	12V Li-Ion 5000mAh; Battery life can support up to minimum 30 thawing cycles(1 straw at a time) or last for 3 days, whichever is earlier under standard operating conditions	In-built 12V (Nominal: 10.8V) Li-Ion 2800mAh; Battery backup: 25+ thawing cycle	In-built 12V (Nominal: 10.8V) Li-Ion 2800mAh; Battery backup: More than 2 hours
Adapter	Input-100-240VAC; 50/60 Hz; Output – 14VDC 4A	Input-100-240VAC; 50/60 Hz; Output – 14VDC 4A	Input-100-240VAC; 50/60 Hz; Output – 14VDC 4A	Input-100-240VAC; 50/60 Hz; Output – 14VDC 4A
Power supply	14VDC 4A	14VDC 4A	14VDC 4A	14VDC 4A
Straw Detection Sensor	IR sensor	Not Included	Not Included	Not Included
Temperature Sensor	PT100	PT100	PT100	PT100
Water Level Sensor	Conductive type	Not Included	Not Included	Not Included
Temperature Resolution	0.1 °C	0.1 °C	0.1 °C	0.1 °C
Thawing Temperature Accuracy	+/- 0.1 °C	+/- 0.1 °C	+/- 0.1 °C	+/- 0.1 °C
Thawing Medium	Water (Volume approx. 50 ml)	Water (Volume approx. 50 ml)	Water (Volume approx. 50 ml)	Water (Volume approx. 50 ml)
Thawing Temperature	35 to 42 °C (cloud control)	35 to 42 °C (cloud control)	35 to 42 °C (cloud control)	35 to 42 °C (manual control)
Thawing Time	30 to 120 second (cloud control)	30 to 120 second (cloud control)	30 to 120 second (through cloud control)	30 to 120 second (manual control)
Vibrator	In-built	In-built	In-built	In-built
Enclosure	ABS (External)	ABS (External)	ABS (External)	ABS (External)
Operating Temperature	~5 to 50 °C	~5 to 50 °C	~5 to 50 °C	~5 to 50 °C
Buzzer	Heating & Thawing cycle completion	Heating & Thawing cycle completion	Heating & Thawing cycle completion	Heating & Thawing cycle completion
Operation	Fully automatic mobile app operation	Semi automatic with use of mobile app and push button for operation	Semi automatic with use of mobile app and push button for operation	Manual operation with push buttons
Equipment Weight	~900 gm	~900 gm	~480 gm	~480 gm
Tweezer	Metal tweezer for handling of semen straw	Metal tweezer for handling of semen straw	Metal tweezer for handling of semen straw	Metal tweezer for handling of semen straw
Straw Per Thawing	1 straw at a time	1 straw at a time	1 straw at a time	1 straw at a time



Our ideas and innovations are a part of the pursuit of maintaining the sanctity of milk so that the world's most ancient health drink can be appreciated as it truly is – untouched and unadulterated.



Optimise your farm with other related products

BovEasy - Bovine Pregnancy Rapid Test Kit

The BovEasy Bovine Pregnancy Rapid Test Kit is a game changer in bovine reproductive management. Combining precision, affordability, and speed, it offers accurate pregnancy detection in just 20 minutes. This easy to use kit empowers farmers and veterinarians with reliable results, optimizing breeding strategies and herd health while minimizing waiting time and costs.



BreedEasy - Digital AI Gun

Smartphone enabled digital AI Gun provides a visual of the artificial insemination process, allowing the operator to have a clear view of the cervix, thereby helping in depositing the semen accurately and help in improving conception rate.



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