FEED WEIGH COMPUTER

Type PMS-20

Definition

Feed, water and light are the most important factors affecting growth and preformance in your poultry barn.
For this, **OPTICON** has developed the PMS-20 to monitor and manage the above. The PMS-20 will give you insight in feed and water distribution and carries out a lot of work for you 24 hours a day !

FEEDING PROGRAMS

The PMS-20 has the following feeding programs:

Adlib:

There will be a continuously supply of feed upon feed request.
It is possible to set timeclocks to limit the feed.

One unit to control feed, water and light
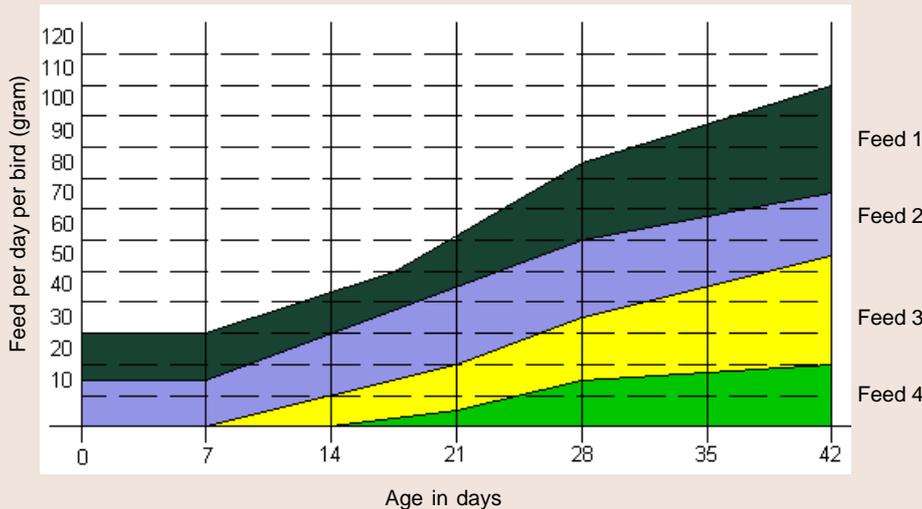

FWU-20 feed weighing unit

Run times:

The feed will be only supplied during the timed feedings. The maximum number of feedings is 24 times a day. Simply program the amount of feed you want the system to deliver. The actual consumption can be compared to the theoretical feed consumption of a normcurve. You can also compare the feedcosumption with theoretical feedconsumption on base of a normcurve.

Feed Mixing:

The PMS-20 will allow you to mix and blend feed ingredients up to 8 different bins. Each type of feed is weighed in proportion to the ingredients calculation you program into the PMS-20.

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Feed ratio can be programmed according to the age

Feedconsumption

The PMS-20 gives you insight in:
* The feedconsumption today of all ingredients and feed used;
* The feedconsumption over the last 24 hours per bird;
* The feedconsumption over the last 10 days per bird;
* The total feedconsumption for the complete flock and per bird;
* Bin inventory of each feed bin.

Water Usage

Same program calibrates as with feed. The PMS-20 registers and delivers the water consumption in your barn.
- Adlib delivery - Continual;
- Timed delivery - max. 24 times a day;
- Controlled Volume delivery.

The percentage of each waterfeeding can be adjusted seperatly.

The amount of water can be programmed for the entire period, or can be compared tot the theoretical water consumption according the norm.

Water consumption

The PMS-20 gives you insight in:
* The water consumption today per bird;
* The water consumption over the last 24 hours per bird;
* The water consumption over the last 10 days per bird;
* The total amount of water consumption for the complete flock and per bird.

It speaks for itself that you as a user, are capable to adjust the feed and water consumption in a simple way.

THE PMS-20 AS A MANAGEMENT COMPUTER

Feed and water registration

When the PMS-20 registers the feed consumption in your barn, it calculates the actual water/feed ratio per bird for the entire flock. This value can also be compared to the theoretical water/feed ratio or the water/feed ratio of another flock.

Feed and weight registration

The DWS-20 linked to a PMS-20 gives you an complete actual feedconversion over the last 24 hours and the entire flock. By putting in the number of dead birds or pre-shipped birds, you always have up-to-date information about loss, feedconversion and comparison between theory and practice.

Light control

With the PMS-20 you can control the light in your barn by both time and intensity.

Separate feeding for breeders

Alarm

The PMS-20 can be set to alarm those responsible for feed orders. The PMS-20 with proper inputs of delivered feed will maintain the inventory balance for each bin. Minimum values can be set whereby an alarm will indicate the need to order new feed. You can also set to automatically switch over from one bin to anaother as feed is consumed.
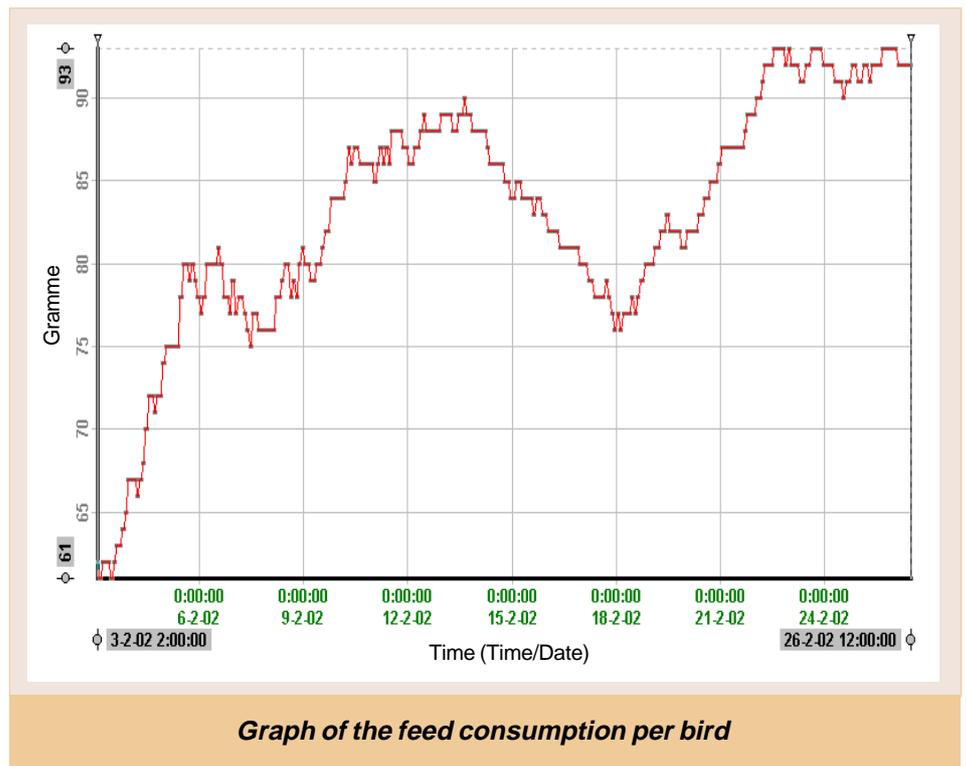
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COMMUNICATION

Connection with PC
Direct connection to a PC is very simple and user friendly. The **OptiLink** program for the PC gives you the ability not only to view but you can actually control any of the programs. With the graph feature you can if desired virtually graph every data field of information and zoom it to the smallest detail.

Modem communication
Ofcourse the OptiLink program has a Modem Module standard, allowing control from a remote location. It gives you the ability to connect to a home or office PC and make your adjustments from there. All your data is automatically downloaded and graphs will be also available.

Graph of the feed consumption per bird

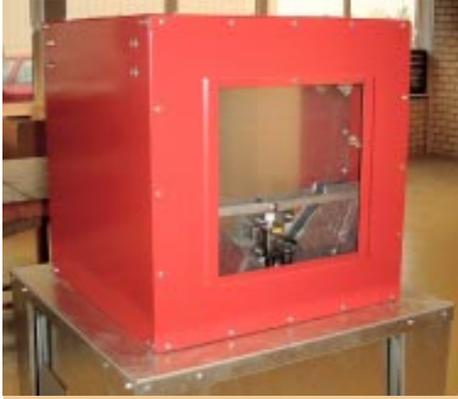| MANAGEMENT INFO	Barn 1	Barn 2
water/feed last 24 hours	---	1,421
water/feed flock	1,922	1,939
water/feed standard	2,111	2,016
feedconversion 24 hours	1,43	2,45
feedconversion flock	2,56	2,55
FEEDCONSUMPTION		
feed consumption to-day	0,009	0,139
feed consumption yesterday	0,292	0,401
feed consumption 24 hours	0,185	0,396
feed consumption flock/bird	27,271	29,814
total feed consumption flock	293442	229435
WATER CONSUMPTION		
water consumption to-day	0,013	0,177
water consumption yesterday	0,678	0,643

Printpage feature
You can print out one or more prints a day with important information as desired.
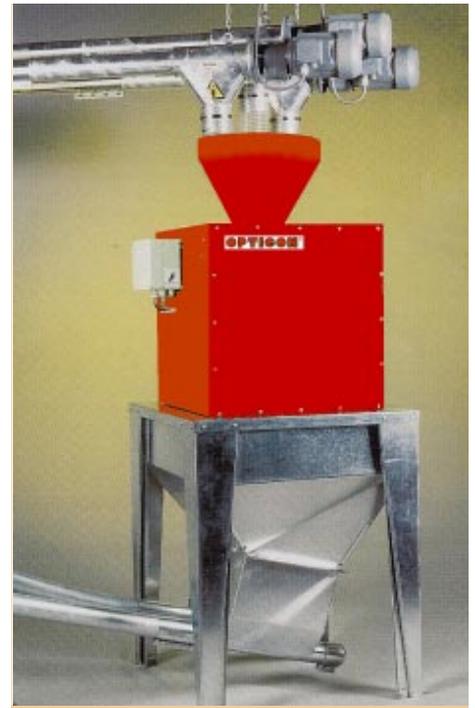
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The FWU-20 feedweigher

An advanced feeding system like the PMS-20, requires an advanced feedweigher as the FWU-20. This feed/weighing unit works together with the PMS-20. Together with the PMS-20, the FWU-20 measures the amount of feed that necessary. The FWU-20 weighs and mixes the feed as requested. It has a large capacity of up to 8000 kg/hour. The galvanised feedweiher is equiped with maintenance-free opening mechanism. The weight measurement takes place by 2 loadcells which guarantee an equal weight measurement.

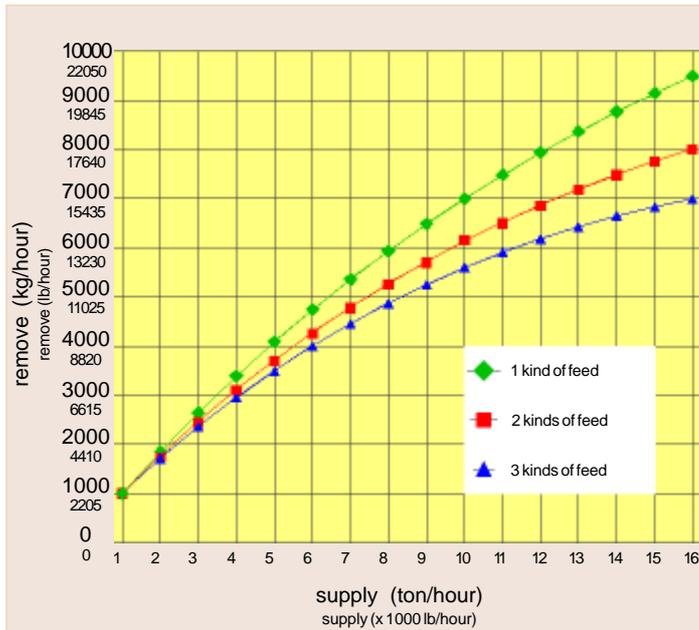*Weigher in closed position*

Weigher in open position

The FWU-20 feedweigher

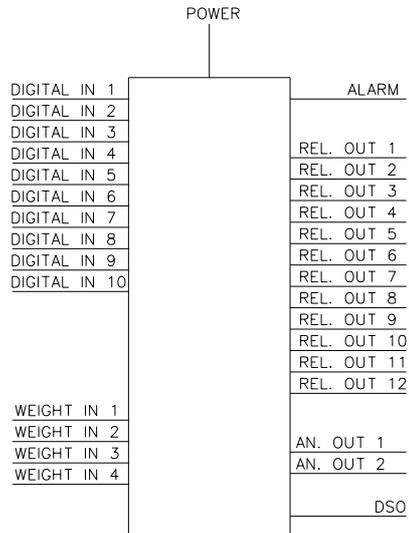## Features of the FWU-20

* Large capacity up to 8000 kg/hour;
* Short unloading times (2 seconds);
* Maintenance free;
* Large distance possible between FWU-20 and PMS-20.

In- and outputs

Capacity of FWU-20, based on batches of 100 lb (45 kg)

PMS-20

Your dealer: