

MAKES IT EASY TO MONITOR DRYER PERFORMANCE

Auger "Valve" Takes Random Grain Samples

"It saves me a lot of time and money. Keeps me from over-drying grain and I haven't had any spoilage since I started using it," says George Roeder, Monroeville, Ohio, about the grain sampler "valve" he came up with to take random samples of grain coming out of his batch dryer.

Roeder farms alone and when harvesting corn, he brings in a load, augers it into his batch dryer to dry, and then heads back out to the field. He mounts the sampler valve on the dryer unload auger and leaves it open so that when the automatic dryer empties its load, he can get a sample of the dried grain to test when he comes back in from the field.

"It sure beats climbing up into the bin to get a sample and lets me constantly monitor dryer performance. I dry grain down to about 14% moisture. If it gets too dry I'm wasting fuel and if it doesn't get dry enough, spoilage could develop," says Roeder.

To install the aluminum valve, he cuts a 1 1/2-in. dia. hole at about a 45° angle on the 8-in. dia. unload auger. The valve is simply held in place over the hole with a metal strap. Roeder puts a 5-gal. pail under the valve and opens it up so that when the batch unloads, it'll take a continuous sample of grain as it's loaded out to the bin.

Roeder says the valve also works great when loading out grain from his bins. "I like to take a sample as I'm loading into trucks. It's a lot easier than climbing up into the truck and gives me a sample from a greater amount of grain than if I just scooped up a pailful."

The valve sells for \$24.95 and will fit any size auger.

Contact: FARM SHOW Followup, George Roeder, 3684 U.S. 20 West, Monroeville, Ohio 44847 (ph 419 465-2745).

TAKES CONTINUOUS READINGS AS YOU HARVEST

"On-The-Go" Moisture Monitor For Combines

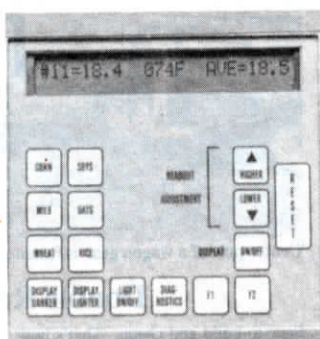
You can monitor moisture content of grain while you combine with a first-of-its-kind monitor developed by Shivvers, Corydon, Iowa.

The new on-board computer eliminates the need to take spot checks in fields before harvest or to interrupt harvest to climb up into the bin to take a reading with a portable tester. The moisture sensor mounts in the clean grain auger so it tests grain after it leaves the cleaning sieves. That means there's no trash in the grain to affect the reading.

"You can start a pass through a field, take a quick reading and then make a decision on whether to continue or back out and start elsewhere," says Shivvers representative Earl Powell. The sensor takes continuous readings of grain passing sensor and also gives a rolling average of the past 10 min. of readings. It also gives the temperature of the grain being harvested.

The Moisture Trac monitor mounts in the cab. It automatically adjusts readings to the type of crop being harvested. When you move from a soybean field to corn, for example, you simply touch a button and the computer is automatically programmed to read a new grain.

The test sensor mounts in the clean grain auger by cutting a small hole in the auger tubing and removing part of the flighting



Moisture Trac monitor mounts in the cab. Sensor mounts in clean grain auger.

around the sensor. The sensor itself is a piece of flat metal about 1 in. wide and about 4 in. long. It uses electrical resistance to measure moisture in grain, as do most commercial moisture monitors, according to Powell.

Works in any grain crop. To ensure accuracy, it includes adjustments that let you calibrate it against any other tester at any time.

Sells for \$1,495.

For more information, contact: FARM SHOW Followup, Shivvers, 614 W. English, Corydon, Iowa 50060 (ph 515 872-1005).



Hook up to the dead battery with clamps and then simply plug into a heavy-duty outlet that installs on the charging vehicle.

"GO-AHEAD" LIGHTS LET YOU KNOW WHEN CONNECTION IS MADE

Jump-Start Dead Batteries With Engine Hood Closed

New "mistake-proof" booster cables are equipped with built-in check lights and an installed plug-in that lets you hook up to jump-start "dead engines" with your engine hood closed.

"They're the best booster cables ever made," says Dale Amfahr, representative of Systems Material Handling Co., the manufacturer, noting that the new cables are the first ever to be approved by Underwriters Laboratories. "The biggest concern with booster cables is battery explosions when you hook up. This eliminates the concern because you hook up to the dead battery with clamps and then simply plug into a heavy-duty outlet that installs on the charging vehicle. When you hook up to the dead battery, a glance at a check light indicates whether it's safe to plug into to the connector mounted on the boost vehicle. If there's a red light, you've got them mixed up. A green light means go ahead."

The cables are 4-ga. copper covered by a special PVC that remains flexible at sub-

zero temperatures. Cable clamps feature a unique 45° angle that solves the problem of getting a firm grasp on side-mount posts and they have an extra wide jaw for grabbing hold of top posts.

"With many late model cars and trucks it's best to jump with another vehicle rather than a high-voltage jump starter because high voltages can ruin computers. Some 1989 GM models have 7 computers on them that can cost thousands to repair. Sometimes if you jump a Ford car or truck with high voltage, it erases the computer and the engine will run rough for about 45 min. until it sets itself right again. Or you can damage it permanently," says Amfahr.

The new 16 ft. booster cables sell for \$69.95. They're also available in 25 and 30 ft. lengths and can be purchased for electrical systems from 12 to 72 volts.

For more information, contact: Dale Amfahr, Systems Material Handling Co., 15785 S. Keeler Terrace, Olathe, Kan. 66062 (ph 800 255-4109 or 913 829-1000).

HAND-HELD CONTROL LETS ONE MAN PERFORM MAINTENANCE CHORES

Remote Control Makes Silo Repair Easy, Safe

"I got the idea after climbing up and down silo chutes time after time to stop and start the unloader when repairing motors. This new control makes it easy for one man to work on unloaders without extra help and makes the job safer," says Alan Kalina, Lowry, Minn., farmer and manufacturer of the new "Unloader Command" remote control for silo unloaders.

Unloader Command consists of a hand held "trouble light" that's equipped with a stop and start switch. The operator simply carries the light up the chute, trailing the electrical cord behind, and depresses the

spring-loaded start button to start the unloader. When pressure is taken off the start button, the unloader stops running automatically. The unloader command, which wires into the existing unloader disconnect, also includes an amp meter to monitor unloader operation and an automatic motor overload protection circuit to help prevent motor burnout. Once installed it allows push-button stop and start of unloader.

Sells for \$395.

Contact: FARM SHOW Followup, Alan Kalina, K & K Electric, Box 88, Lowry, Minn. 56349 (ph 612 283-5923).