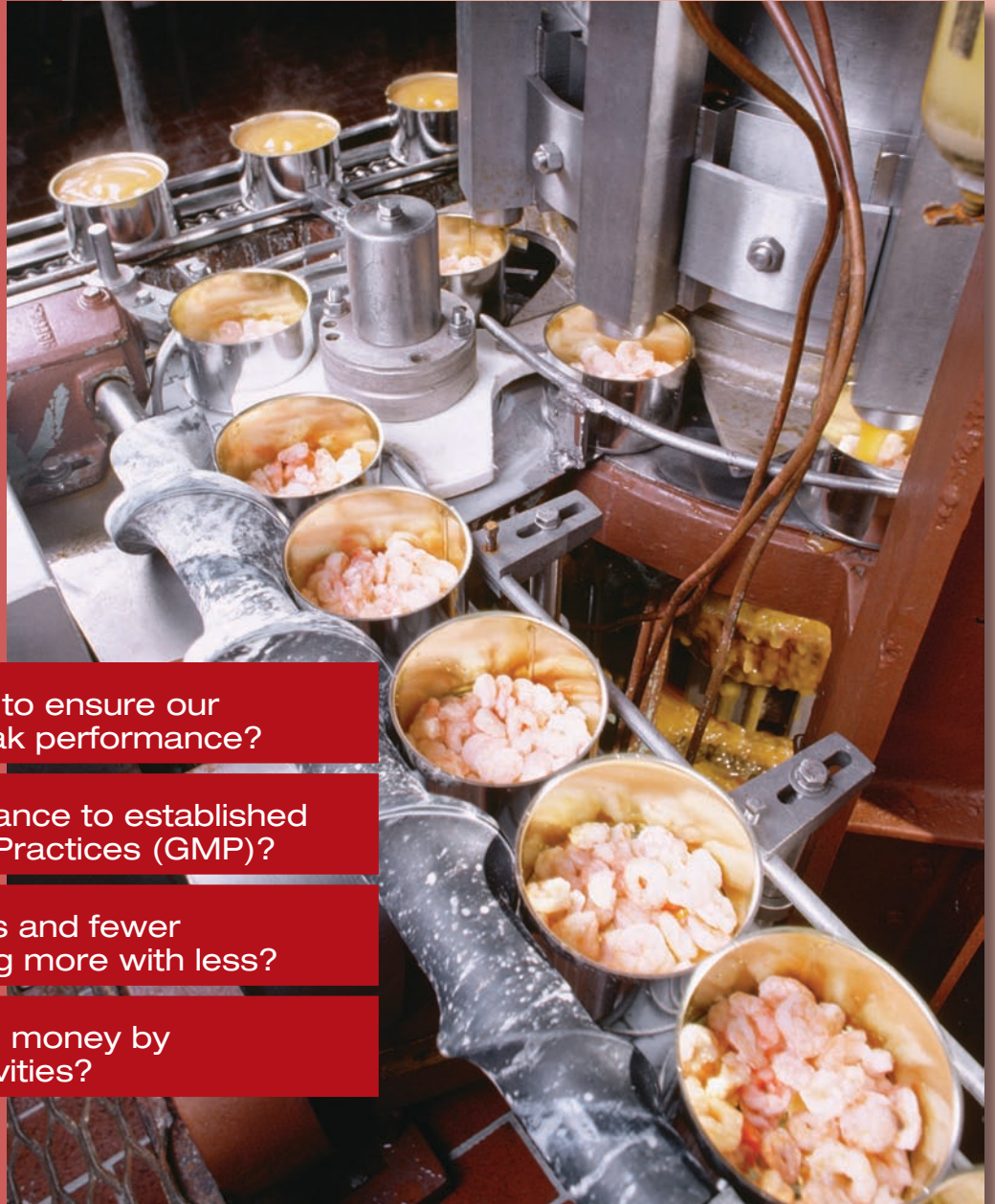


Food and beverage productivity tools

FLUKE®



Do we have the tools to ensure our plant is running at peak performance?

Can we prove compliance to established Good Manufacturing Practices (GMP)?

Do tight profit margins and fewer resources mean doing more with less?

Would we like to save money by in-sourcing more activities?

If any of these questions concern you look inside.

You need to comply with established GMPs, while being asked to do more with less, all while trying to keep your facility up and running. These tools can help.

FLUKE®

Fluke 1587 Insulation Multimeter

- Are you finding you are replacing the same motor over and over?
- It is easier to replace a component than troubleshoot?

Benefits

- Save potentially thousands of dollars a year by identifying the root cause of your motor or drive failure.
- Perform insulation tests on motors, generators, cables or switchgears with the combination 1 kV insulation tester/full-featured true-rms multimeter



Fluke 289 Logging Multimeter

- Are you spending time trying to monitor, analyze and correct what is causing electrical problems?

Benefits

- Track down elusive, intermittent electrical problems using the logging and TrendCapture features
- Use the unique low pass filter for accurate measurements on variable frequency drives



Fluke 561 Infrared Thermometer

- Do you measure surface temperatures on motors, pumps and other rotating equipment at your plant?
- How do you ensure proper oven temperatures?
- Do you service or maintain refrigeration systems at your plant?

Benefits

- Measure compressor head surface, discharge line and liquid line temperatures in a refrigeration system
- Check cooking surfaces and oven temperatures
- Measure surface temperatures on motors and pumps to understand general bearing condition



Fluke 771 mA Clamp Meter

- Can't afford to break a 4-20 mA loop?
- Would you like to save time and perform quick and easy checks on your 4-20 mA control loops?

Benefits

- Measure 4-20 mA output signals from transmitters *without disrupting process control*
- Test mA signals for PLC and control system analog I/O



Fluke 902 HVAC True-rms HVAC Clamp Meter

- Are you carrying multiple test tools for basic HVAC electrical work?
- Are you doing enough to ensure the efficient operation of your HVAC equipment?

Benefits

- Specially designed for HVAC applications with capacitance, dc current (mA) and temperature features
- Capture flue gas temperatures
- Troubleshoot electrical motor faults on compressors
- Measure start and run motor capacitors



Fluke T5-1000 Voltage, Con- tinuity and Current Tester

- Tired of carrying multiple tools to perform basic electrical testing?
- Looking for something simple you can fit in your back pocket?

Benefits

- Frontline troubleshooting tool for applications up to 1000 V
- Ideal for testing circuits, outlets and lighting fixtures
- The OpenJaw™ current feature and SlimReach™ test leads combine in a compact tool that fits in your back pocket.



Fluke Ti25 Thermal Imager

- Do you often experience electro-mechanical failures leading to unplanned downtime?
- Do you deal with inconsistent output from your cooking and packaging applications?

Benefits

- Scan electrical systems, components and transformers for excessive heat
- Find problem areas fast without shutting equipment and installations off
- Scan for inconsistent heating in cooking and packaging applications
- Download results to a PC for documenting and reporting



Fluke 1735 Three-Phase Power Logger

- Do you need to quantify energy consumption before and after improvements to justify energy saving devices?
- Do intermittent harmonics cause damage to or disrupt critical equipment?

Benefits

- Monitor generator performance during regular test periods
- Identify and prove savings opportunities with energy consumption tests
- Download results to a PC for documenting and reporting



Fluke 922 Airflow Meter/Micromanometer

- Are HVAC costs a significant portion of your energy bill?
- Do you know the impact a dirty ventilation system has on energy consumption?
- Under pressure to squeeze as much life out of your HVAC equipment?

Benefits

- Check differential air pressure around filters, coils, fans to ensure adequate ventilation per U.S. 21 CFR 110 GMP and realize energy savings.
- Monitor pressure drops across HVAC equipment to drive peak air-flow performance and extend equipment life



Fluke 337 Clamp Meter

- Have you recently installed high efficiency devices (VSD, HE motors) in your facility?
- How do you accurately troubleshoot these electrically noisy devices?
- Are you basing repair decisions on inaccurate data?

Benefits

- Safely and accurately measure inrush current on high-efficiency motors
- Verify the presence of load current, ac/dc voltage and continuity



Fluke 1630 Earth Ground Clamp Meter

- How confident are you that your equipment is adequately grounded?
- Are you aware that poorly grounded equipment can result in significant safety problems and/or equipment damage?
- Did you know that ground rods and their corresponding connections can corrode over time?

Benefits

- Save time and experience the flexibility of Stakeless testing, which allows you to measure ground resistance in locations previously considered impossible.
- Perform earth ground loop resistance and continuity testing without the dangerous practice of disconnecting system grounds.



Fluke 789 ProcessMeter™

- Do you need to troubleshoot and verify control signals and power sources?
- Do you measure up to 1000 V and need to measure/source 4-20 mA control signals?

Benefits

- Use daily to troubleshoot high and low voltage circuits
- Test valve positioning in the field
- Use the integrated 24 V loop supply to eliminate the separate power supply necessary for offline transmitter testing



For more information and to learn about our special offer go to www.fluke.com/FoodBeverage

Fluke 225 ScopeMeter®

- What do you do when a logic controller or a field device error indicator is on (red light failure condition)?
- Do you call the OEM, a consultant or tackle the problem yourself?
- How do you localize the problem down to the component, the interface to the control system, the protocol or logic control system or some other factor influencing the control system?

Benefits

- Analyze bus health against industry standard values for that bus type
- Test parameters include signal amplitudes, bias voltage, rise- and fall-times, jitter, distortion and noise levels for a full understanding of system behavior



Fluke 435 Three-Phase Power Quality Analyzer

- Repeated equipment failures?
- Random equipment resets or process failures?
- Breakers tripping or fuses blowing with no signs of overloading?
- Transformers or motors running hot?
- Uninterruptible power supplies (UPS) frequently going on line?
- You may be having power problems that can be fixed if you have the tools to find them!

Benefits

- Pinpoint power problems faster, safer and in greater detail
- Perform load studies
- Troubleshoot problems in real-time while logging multiple parameters
- Automatically capture transients on all phases simultaneously up to 6 kV



Fluke 975V AirMeter™

- Is your ventilation optimized to ASHRAE 62 recommendations?
- Do you know if your climate sensors are feeding the right information to your control system?

Benefits

- Cut down on overventilation and optimize your system to positively impact annual energy expenses
- Monitor moisture levels to discourage growth of harmful microorganisms per U.S. 21 CFR 110 GMP.
- Ensure adequate ventilation to reduce contamination of food, food-packaging and food contact surfaces per U.S. 21 CFR 110 GMP
- Simultaneously measure multiple air parameters for a complete picture of your environment.



Fluke 725 Multifunction Process Calibrators

- Would you like one tool to calibrate, source, or measure all of your process control signals?
- Would you like it to come in one simple, easy to use, and rugged package?

Benefits

- Source and simulate multiple parameters to calibrate transmitters
- Conduct valve and I/P tests by sourcing mA and simultaneously measuring pressure
- Supports flow meter testing with frequency and counts per minute (CPM) functions



Fluke 719 Electric Pressure Calibrator

- Tired of carrying multiple tools to calibrate pressure transmitters, instrumentation, and switches?
- Would you like to perform all of your pressure and mA needs with the simple push of a button?

Benefits

- Test pressure switches at the push of a button
- Verify tank level meters
- Measure pressure and vacuum accurately
- Calibrate pressure sensors: no hand pumping required—fast and accurate results



Fluke. Keeping your world up and running.®

Fluke Corporation
PO Box 9090, Everett, WA 98206 U.S.A.

Fluke Europe B.V.
PO Box 1186, 5602 BD
Eindhoven, The Netherlands

For more information call:
In the U.S.A. (800) 443-5853 or
Fax (425) 446-5116
In Europe/M-East/Africa +31 (0) 40 2675 200 or
Fax +31 (0) 40 2675 222
In Canada (800)-36-FLUKE or
Fax (905) 890-6866
From other countries +1 (425) 446-5500 or
Fax +1 (425) 446-5116
Web access: <http://www.fluke.com>

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