

# Gamma 101P™

## Fill Level Inspection Systems

*PECO's versatile, economical and time proven Gamma inspection systems deliver unsurpassed accuracy in fill level or contents inspection and monitoring.*

### Typical Applications Include:

- *Eliminating overfilled cans without minimum head space before they enter the cooker*
- *Eliminating underfilled cans or "floaters" before they enter the cooler or warmer*
- *Rejecting fine underfills for regulatory requirements*
- *Rejecting gross underfills to monitor filler*
- *Verifying solid contents of multiple fill products*
- *Performing high and low inspections simultaneously*

*... and more*



### Versatile

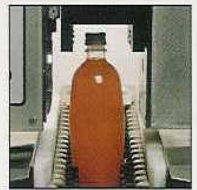
The **Gamma 101's** flexible inspection windows guarantee accuracy in a wide variety of applications and packages from absolute fill levels to bar length inspections.

### Multiple Product Memory

The **Gamma 101's** multiple product memory makes for fast change-overs when several products are run on the same line.

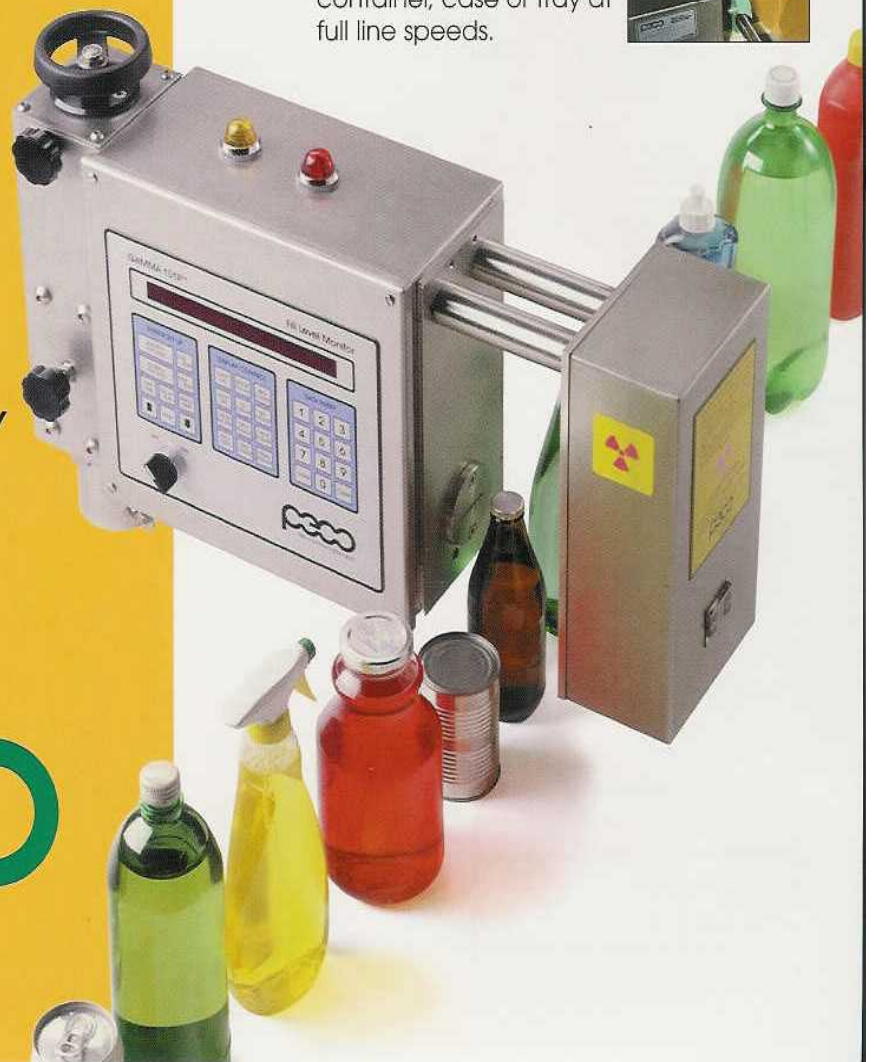
### Optional Inspections

The **Gamma 101** inspection options include: Missing, Cocked or High Cap, or Missing Foil.



### Ejector/Diverter Options

PECO's rugged "Quick Change" and heavy duty diverter/ejectors readily reject or divert any size container, case or tray at full line speeds.



## Data Acquisition

PECO's optional PDQ Data Acquisition Package provides an accurate, convenient and time efficient means of accumulating detailed production and inspection data.

The Windows based software is designed to simultaneously tabulate and display inspection data, production data, rates and line stoppages (events and duration), trending and distribution statistics.

Data is displayed in real-time and a summary report is compiled at the end of each shift. The report can be automatically saved and/or printed. Start and stop times for automatic or manual data acquisitions can be individually programmed for any time period in any of three shifts.



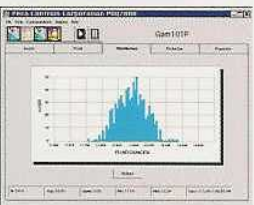
### Real Time Data Display

Real Time Data for accepted and rejected containers is immediately available for viewing or printing for fill level, vacuum or pressure monitoring and case inspection.



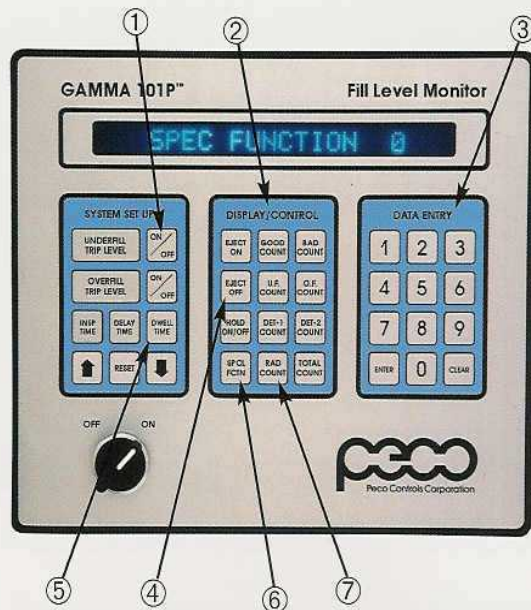
### Summary Data Display

Summaries of accepted and rejected containers including time, count and trending by product, line and system are available for fill level, vacuum or pressure monitoring and case inspection.



### Scaled Quantitative Data

Fill level, Vacuum/Pressure and Case inspections can be scaled to show frequency of occurrence expressed simultaneously in units of measure familiar to operating personnel, including oz., ml, inches of Hg, psi, etc.



#### 1. Underfill and Overfill Selection

Underfilled or overfilled containers are monitored individually or simultaneously.

#### 2. Inspection Totals

The display updates the display every second. The GOOD COUNT is all containers that fall within acceptable inspection parameters; the BAD COUNT is all that did not.

#### 3. Data Entry

The numeric, ENTER and CLEAR keys provide for entry of all inspection parameters.

#### 4. Rejection Selection

Monitor, or monitor and reject using the EJECT ON and EJECT OFF selectors. When ON is selected, underfills, overfills and containers that failed optional inspections are rejected. The rejection of one or all inspection parameters can be overridden.

#### 5. Inspection Parameters

INSPECTION, DELAY and DWELL TIMES control the time of inspection and the rejection.

#### 6. Special Function

Users can enter any number of routines and displays that are not required on a regular basis.

#### 7. Radiation Count

The radiation count for the most recent inspection is updated every second.

**Power Requirements:** 115 VAC - 230 VAC,  
50 to 60 Hz (specify),  
single phase

**Operating Temperature:** +5°C to +60°C (40°F to 140°F)

**Operating Speed:** Up to 2400 containers per minute



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