

# Technical Diagnostic Services

## Feature Product - PIE 535

### The Right Product for the Nuclear Technician

Technicians who need to calibrate older instrumentation - 4-20mA transmitters, recorders, controllers, indicators, I/P etc. like the PIE Model 535 because it does both 10-50 and 4-20mA and has the voltage to drive a 10-50mA loop.

Only older calibrators had the "juice" to drive these loops but they were typically large and heavy and today are mostly obsolete.

Technicians like the Model 535 because it does both 4-20mA and 10-50mA, is light weight, simple to use and can drive any 10-50mA loop or device with sufficient power.



PIE

Model 535



TDS is a National  
Distributor For These  
Fine Manufacturers

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We have moved into our new  
facility and doubled our warehouse  
space.

That means we have a tremendous  
inventory of quality equipment.



Model 535 4-20 & 10-50 mA/Voltage Dual Range Calibrator for 10-50 milliamp process loops. On power up you can select 4-20 or 10-50 mA. The EZ-Dial™ knob and EZ-Check™ switch are all that's needed to make quick adjustments or set 0% or 100% of full scale.

The EZ-Step™ button provides one-handed stepping. Automatic stepping and ramping modes allow hands-free testing and calibration of the process loop with HIGH accuracy and repeatability designed in collaboration with Nuclear plants.

The model 535 offers the optional analog output of 10mV/mA proportional output for connection to chart recorders and data loggers.

With the Model 535, calibration is easy as PIE.

- True  $\pm 0.025\%$  of reading
- Read and Source 0.000 to 50.000 mA
- Display current or -25.00 to 125.00% of 4-20mA or 10-50mA
- Bar graph displays % of 4-20mA or 10-50 mA
- Read 0.00 to 60.00 volts with 2X over range ability
- Simulate 2-Wire Transmitters
- Power 2-Wire Transmitters and Read 0.000-50.000mA
- Read 0.00 to  $\pm 30.00$  VDC with 4X over range ability
- Source 0.000 to 24.000 VDC with up to 20mA output
- Direct Calibration 1.000V to 5.000V
- Loop Compliance Voltage  $\geq 43$  Volts
- OPTIONAL ANALOG OUTPUT for chart recorders & Data loggers
- Auto Step or Ramp with HIGH accuracy and repeatability designed in collaboration with Nuclear plants
- Selectable step sizes, time in-between steps & soak time
- Stop watch like EZ-Check™ switch
- Full 5 Digit Display
- Fuseless protection from accidental connection to 240 volts AC/DC
- Rugged handheld enclosure with optional lanyard and Velcro® hand strap
- Uses 4 AA alkaline batteries
- Superior battery life of 40 hours under typical continuous usage
- Easy access to battery compartment
- AC adaptor, carrying case, and Test Data available
- NIST Traceable Test Data, A/C Adaptor, and Carrying Case included FREE
- NIST Traceable Calibration Certificate included FREE



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