



FLUKE®

Education Facilities and Training

Fluke provides solutions for educators and education facility professionals.

Education facilities include college campuses, technical and trade schools, high schools, secondary and elementary schools to name just a few. Most comprise a variety of environments including labs, clean rooms, classrooms, dorm rooms, auditoriums, gymnasiums, and swimming pools. Many of them serve tens of thousands of people while others only a few. They all have unique needs, which the facility professionals running them must address.

Educators training in vo-tech/trade schools, universities, colleges, and union apprenticeship training centers use Fluke tools in the classroom or lab.

Electrician/Engineer

Issues faced:

- Efficient, consistent, quality power delivery
- Safety and energy system maintenance
- Troubleshooting sensitive equipment
- Controlling efficient breakers and motors

Fluke solutions:

-  Fluke Connect®
-  Process calibration tools
-  Digital multimeters
-  Light testers
-  Power quality analyzers
-  Clamp meters
-  Infrared thermometers

Facility Manager

Issues faced:

- Controlling energy costs
- Meeting safety standards
- Preventive maintenance
- Expense management

Fluke solutions:

-  Power quality analyzers
-  Light tester
-  Digital multimeters
-  Thermal imagers
-  Vibration

R&D Personnel

Issues faced:

- Selection and maintenance of equipment used in R&D labs
- Heavy equipment use

Fluke solutions:

-  Fluke Connect®
-  Handheld oscilloscopes
-  Digital multimeters
-  Electrical test tools
-  Thermal imagers



Fluke solutions for education and facilities

Process Calibration Tools				Electrical Test Tools				
Process documentation calibrators	Pressure gauges and tools		Process test tools		Power quality analyzers	Handheld oscilloscopes	Power loggers	Clamp meters
								
726	700G	729	789	773	430 Series II	190 Series II	1738	902 FC



HVAC/IAQ Technician

Issues faced:

- Maintaining controlled environment
- Ensuring HVAC ventilation systems are compliant with industry standards
- Addressing occupant complaints

Fluke solutions:

- Fluke Connect®
- Indoor air quality
- Clamp meters
- Power quality
- Infrared thermometers

Facility Engineer

Issues faced:

- Maintaining consistent quality power loads
- Ensuring continuous, predictable uptime and downtime
- Troubleshooting system interruption with immediate response and repair

Fluke solutions:

- Fluke Connect®
- Indoor air quality
- Power quality
- Thermal imagers

Diagram is not intended to be an exact representation.
Diagram components are not to scale and are for illustration purposes only.

Fluke offers a full line of solutions for education professionals.
Go to www.fluke.com for detailed information on these and all Fluke products.

Infrared and Vibration					Air Quality	Software	
Light tester	Digital multimeters	Thermal imagers performance	Thermal imagers professional	Infrared thermometers	Vibration	Indoor air quality	Fluke Connect® Assets
1000FLT	279 FC	TiS65	Ti300	568	805	985	FC Asset PC

Recommended education and facilities solutions

Fluke Connect®

Best suited for: 

Working between skills levels for troubleshooting help, diagnosing asset health analysis in the field, predictive and preventative maintenance, and work order approval



Digital multimeters

Best suited for: 

- VSD motor drive installation and troubleshooting
- Quick, voltage measurement
- Environments with both ac and dc (auto-Volt) or ghost voltages



Power quality analyzers

Best suited for: 

- Troubleshooting and preventing problems in power distribution systems
- Uncovering hard-to-find or intermittent problems
- Power quality surveys
- Validating incoming power quality at the service entrance



Clamp meters

Best suited for: 

- Verifying the presence of load current, ac/dc voltage and continuity
- Current measurements up to 999.9 A in tight cable compartments



HVAC/IAQ

Best suited for: 

- Troubleshooting and maintaining indoor air quality
- Optimizing HVAC ventilation settings
- Monitoring air quality and factors that may detract from comfort/safety



mA Process clamp meters

Best suited for: 

- Measuring 4 to 20 mA signals without breaking the loop
- Sourcing, simulating and measuring mA
- Sourcing, measuring DC voltage



Infrared thermometers

Best suited for: 

- Surface temperature readings
- Non-contact monitoring of electrical motors and panels
- Finding heating and ventilation problems



Portable oscilloscopes

Best suited for: 

- Troubleshooting and installation applications
- Finding fast answers to problems in machinery, instrumentation, control and power systems
- Bus health testing for industrial bus systems
- Applications when you need an oscilloscope, multimeter and "paperless" recorder, but want to carry a single tool



Thermal imagers

Best suited for:

- Detection of "hot spots" in motors, pumps, VFD's, bearings and wheels
- Inspecting pipes, motors and pumps
- Monitoring of switching heaters



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>