

PE Pipe Handling: PE Pipe Wall Damage Indicator



Part # 71-370002

Ensure your PE pipe wall damage is 10% or less!

Don't guess when safety is on the line. Leave good pipe in the ground and remove the bad.

Many make the decision to cut out or leave in the section of pipe by visual inspection or by some other undocumented means.

In today's litigious and safety-conscious society, all damages need to be documented accurately.



The tool documents the reading with a press of the button. Reducing unnecessary cutouts, saving money, and maintaining safe pipeline integrity.



Case: 10 ½"L x 9 ½"W x 2 ¼"D

Weight 1.7lbs

Unit: 8 ½"H x 3 ¼"W (V-Base)

V-Base: Aluminum

Battery: SR44 silver oxide cell (1pc)

Battery Life: About 20,000 hours

- Supplied in a custom case. The tool offers an instant measurement to eliminate unnecessary cutouts.
- Simple for all field personnel.
- Digital readout is accurate to 0.0008" or less.
- Instant zeroing provides a direct readout of the surface damage.
- Ensures PE meets safe pipe laying standards prior to burial.
- Especially valuable in lengthy coil pipe installations.
- Toggle readout from inches to metric.
- Works on steel pipe and flat surfaces.
- The PLCS PE Electronic Damage Indicator is the only self-contained electronic damage indicator that is fully portable and works on any surface.

PLCS, LLC

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PLCS offers routine Pipe Wall Damage Indicator operation test. Ship the unit to our location and we will complete the test with a fast turnaround.

Test Description

MATERIALS

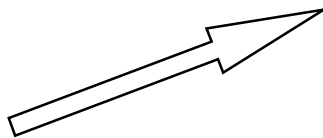
- Starrett A Grade Granite Surface Plate.
- Mitutoyo Master Gauge Blocks, Inch.
- Cleaning solution (Isopropyl Alcohol)
- Lint free cloth.
- Clean disposable gloves

METHOD

- Examine the indicator for obvious external signs of damage or abuse that may affect the accuracy or function of the indicator.
- Place indicator close to test station for 15 minutes before testing.
- Clean the test surface, gauge blocks and spindle to remove any oil residue or other material(s). DO NOT allow cleaning solution to enter the unit.
- Place the unit on the surface plate and "Zero" the indicator.
- Check the depth reading against the 0.1000", 0.2500", 0.3750", and 0.5000" gauge blocks and record the measurements.
- Complete form and affix test decal to the back of the unit.
- PLCS maintains a test database.
- A copy of the test result form accompanies the unit return.



Test Decal



Data Recording Sheet for Mitutoyo Digimatic Indicator Measurement (inch)				
Company:				
Contact:				
Date:				
Tel. #:				
Cell #:				
P.O. #:				
After the initial origin setting the unit no longer needs absolute positioning over the entire battery life (Approx. 20,000 hours), the origin is remembered even after power off.				
Method: Comparison to Gauge Blocks traceable to NIST via No. 881283191-43 NIST Confirmation of technical capability by the transfer standard (B049EC17045)				
PLCS Part #	71-370002			
Mitutoyo Product #	575-123			
Product Serial #				
Model I.D. #	U1025E			
Date of Inspection:				
Temperature:	(N-2°F)			
0.10" Mitutoyo Gauge Block Certificate # T15A02175	ID #	140704		
0.25" Mitutoyo Gauge Block Certificate # T15A07420	ID #	150952		
0.375" Mitutoyo Gauge Block Certificate # T15J10218	ID #	190104		
0.50" Mitutoyo Gauge Block Certificate # T20J00979	ID #	201254		
Tested by:				
Range	Recording	Recording	Recording	Approved
0.1000"				
0.2500"				
0.3750"				
0.5000"				
This certifies that the unit described has been tested against known gauge block dimensions and is within tolerance (N- 0.0008").				

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