



Pile Dynamics, Inc.
www.pile.com • 1.216.831.6131

Technical Specifications

Thermal Integrity Profiler (TIP™) Specifications

Main Unit

Physical

Size

272 x 212 x 60 mm (10.7 in x 8.3 in x 2.4 in)

Weight

2.04 Kg (4.5 lbs.)

Sunlight readable VGA color display for any lighting conditions, resolution 640 pixels x 480 pixels

Screen size

21.3 cm (8.4 in)

Temperature Range

Operating: -20° to 40° C (-4° to 104 ° F); Storage: -30° to 65° C (-22° to 149° F)

Powered by Internal Battery (10-hour duration)

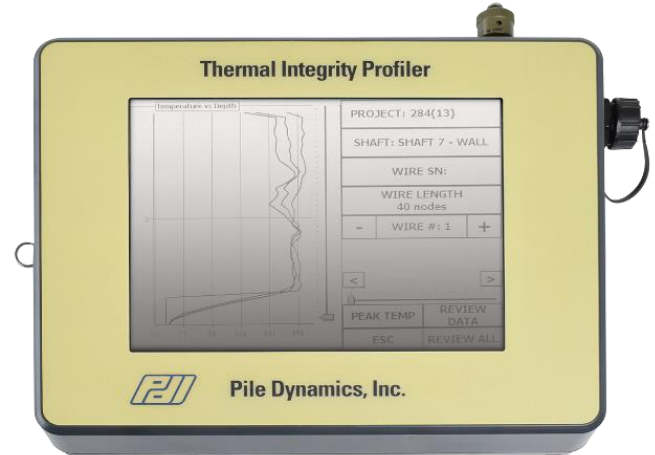
Data Storage

Built in 32 GB drive minimum

Data Retrieval

USB port or WiFi

Microsoft Windows® 10 Operating System





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Technical Specifications

Thermal Acquisition Port for Wires (TAP)

Size

133 x 102 x 57 mm (5.2 x 4 x 2.2 in)

Weight

766 g (1.7 lbs.)

Temperature Range

Operating: -20° to 65° C (-4° to 149° F); Storage -40° to 85° C (-40° to 185° F)

Contains 1 installed Li-Ion battery or 0.64 grams ELC

Internal Battery (28-day duration)

Sampling frequency

User programmable, defaulted to once every 15 minutes

Hangs from reinforcement cage; may be bolted to cage for security

Water Resistant

Thermal Acquisition Port with cloud access for Wires (TAP-Edge)

Size

114 x 65 x 41 mm (4.5 x 2.6 x 1.6 in)

Weight

400 g (0.9 lbs.)

Temperature Range

Operating -20° to 65° C (-4° to 149° F); Storage -40° to 85° C (-40° to 185° F)

Contains 2 installed Li-Ion battery (14.8 W Hrs.)

Internal Battery (20-day duration)

Sampling frequency

User programmable, defaulted to once every 15 minutes

Hangs from reinforcement cage; may be bolted to cage for security

Water Resistant





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Technical Specifications

Thermal Aggregator for Wires (TAG)

Size

160 x 80 x 57 mm (6.3 x 3.2 x 2.2 in)

Weight

640 g (1.4 lbs.)

Temperature Range

Operating: -20° to 65° C (-4° to 149° F); Storage -40° to 85° C (-40° to 185° F)

Contains 2 installed Li-Ion battery (22.2 W Hrs.)

Internal Battery (10-day duration)

Sampling frequency

User programmable, defaulted to once every 15 minutes

Hangs from reinforcement cage; may be bolted to cage for security

Water Resistant



Thermal Wire Tester Box for Wires

Size

133 x 102 x 57 mm (5.2 x 4 x 2.2 in)

Weight

766 g (1.7 lbs.)

Temperature Range

Operating: -20° to 65° C (-4° to 149° F); Storage -40° to 85° C (-40° to 185° F)

Contains 1 installed Li-Ion battery or 0.64 grams ELC

Internal Battery (28-day duration)

LCD Display Screen

Adapter cable included for splice cables and is required for spliced cables

Does not store data





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Technical Specifications

Thermal Wire® Cables

Sensor type

Digital

Furnished in rolls of length starting at 6 m (20 ft) with length increments of 1.5 m (5 ft)

Sensor spacing

305 mm (12 in)

Sensor operating temperature

-20° to 65° C (-4° to 149° F)

Sensor Accuracy

+/-0.5° C ($\pm 0.9^\circ$ F)

Splicing

Multi segment cables available upon request – featuring quick-connect



Thermal Acquisition Port for Probes (TAPP)

Size

114 x 133 x 57 mm (4.5 x 5.2 x 2.2 in)

Weight

822 g (1.8 lbs.)

Temperature Range

Operating: -20° to 65° C (-4° to 149° F); Storage -40° to 85° C (-40° to 185° F)

Internal Battery (8-hour duration)

Contains 2 installed Li-Ion batteries (1.28 grams ELC)

Sampling frequency

Once per second, or as a function of depth (user adjustable)

Water Resistant



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Technical Specifications

Probe

Sensor type

Infrared (four orthogonal sensors)

Size

130 x 30 mm (5.1 x 1.2 in)

Weight (Probe)

5.2 kg (11.5 lbs.)

Cable length

60 or 100 m (200 or 332 ft)

Weight (60 m Cable): 3.3 kg (7.4 lbs.)

Weight (100 m Cable): 8 kg (17.6 lbs.)

Sensor operating temperature

Up to 105° C (221° F)

Removable sensor head

Water resistant

Depth Measurement Unit

Type

Rotary Encoder

Resolution

2.5 mm (0.1 in)

Other

Soft carrying case

Full one-year warranty

Operates in English or SI

Technical manual provided in PDF form on a USB drive