Technical Specifications

Pile Integrity Tester (PIT-QV & PIT-QFV) Specifications

Physical

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

Weight
2.04 Kg (4.5 lbs)
Sunlight readable VGA color display for any lighting conditions, resolution 800 x 600 pixels

Screen size
21.3 cm (8.4”)

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)

Electronic

Data Storage
Built in 256 GB drive minimum
USB port for data retrieval
24-bit A/D converter

Analog Signal Frequency response
22 KHz. (-3dB)
Sampling Digitizing frequency of > 1 MHz
Sampling Frequency accuracy within 0.01%
Sampling speeds of 50 KHz, 75 KHz, and 150 KHz.
Windows 10 or higher Operating System
Technical Specifications

Functional

One (PIT-QV) or two (PIT-QFV) channels of acceleration data acquisition
One (PIT-QV) or two (PIT-QFV) integrators of acceleration to velocity
PIT-QV accepts data from one traditional accelerometer
PIT-QFV accepts data from two traditional accelerometers or from one traditional accelerometer and one traditional instrumented hammer
Input of names and descriptions for each pile tested
Date and time stamps
Signal amplification capability, variable over time
Available record sizes: 1K, 2K, and 4K
Data can be averaged over a variable number of blows
FFT (Fast Fourier Transform) feature

Other

Includes licenses of PIT-W Standard and PIT-S
Full one-year warranty
Operates in English, SI or Metric units
Technical manual provided in PDF form on a USB drive