



ТОВ “ІНТРОН - СЕТ”

ЄДРПОУ 39782413

Україна, 03037, м. Київ, вул. Преображенська, 15, оф. 7

Тел/факс (044) 24-801-24,

www.intron-set.com.ua E-mail: info@intron-set.com.ua



CHUM Ver2.5

Cross Hole Ultrasonic Monitor

The CHUM (Cross Hole Ultrasonic Monitor) uses the Crosshole Sonic Logging CSL testing method to perform high-resolution quality control of deep foundations.

- Up to 150m (450') deep
- Tomography support Standard
- ASTM D6760, AFNOR NF P 94-160-1
- Integrated support for DFI CSL Rating Criteria

Applications

For testing pile integrity using the CSL method, of medium to large size piles, with supporting access tubes.

Fast and Reliable Crosshole Deep Pile Foundations Testing

CHUM – Technical Specification

Physical	Housing	Rugged, Environment-proof, water-resistant housing.
	Dimensions	430mmL x 325mmW x 105mmH (instrument only)
	Weight	3.8 kg (instrument only) 5.0 kg (instrument with typical tablet) 16.0kg (Typical shipping)
	Temperature range	Operating : -25°C to 60° Storage : -40°C to 70°C
Power	Internal	Rechargeable Lithium-Ion battery 11.1V 4.4Ah (Two days of typical use)
	External	100-240V AC operation/charging
Standards	ASTM D6760 –16	Meets or exceeds
Technical	Transducers	Dual-Purpose transceivers, 50kHz nominal, pressure-tested housing, 25mm diameter.
	Cables	tested housing, 25mm diameter
	Sample rate	Heavy-duty polyurethane wound on a reel
	Gain	500kHz (2µS resolution)
	Depth meters	8-level automatic gain control (AGC) Two 24-bit counters. <0.1% error
Performance	Pile lengths	1m to 150m
	Tube spacing	Up to 5m in good concrete
	Productivity	Up to 3000m/Day by a single operator
	Storage	Unlimited
Requirements	Computer (Minimum)	Windows XP/Win7/Win10/Win11. 800x600 resolution or higher
Output	Reporting	Arrival time, energy, and wave speed curves, “waterfall” presentation, fuzzy logic and 3D tomography
	Language	Multi-lingual user interface and reporting
Options	Cable reels	50m, 100m, 150m, and custom lengths
	Software	3DT - Three-dimensional tomography (Also provided as a service over e-mail)
	Miscellaneous	12V DC car battery power adapter