






Specification Sheet

Minimate Pro™ Geophones

| | ISEE GEOPHONE | | DIN GEOPHONE | | DIN/VDV GEOPHONE | | BOREHOLE ISEE GEOPHONE | BOREHOLE DIN GEOPHONE |
|-----------------------------|---|---------------|---|---------------|--|---------------|---|---|
| |  | |  | |  | |  |  |
| PART NUMBER | 720A2001 | 720A2004 | 720A2002 | 720A2005 | 720A2003 | 720A2006 | 720A5601 | 720A5701 |
| RESPONSE STANDARD | ISEE - 2022 | | DIN 45669-1 CLASS 1 | | DIN 45669-1 CLASS 1 | | ISEE - 2022 | DIN 45669-1 CLASS 1 |
| FREQUENCY RANGE | 2 - 250 Hz | | 1 - 315 Hz | | 1 - 80 Hz | | 2 - 250 Hz | 1 - 315 Hz |
| VELOCITY RANGE | Up to 254 mm/s (10 in/s) | | Up to 254 mm/s (10 in/s) | | Up to 254 mm/s (10 in/s) | | Up to 254 mm/s (10 in/s) | Up to 254 mm/s (10 in/s) |
| RESOLUTION | 0.00788 mm/s (0.00031 in/s) | | 0.00788 mm/s (0.00031 in/s) | | 0.00788 mm/s (0.00031 in/s) | | 0.00788 mm/s (0.00031 in/s) | 0.00788 mm/s (0.00031 in/s) |
| SENSOR DENSITY | 2.3 g/cc (144 lbs/ft³) | | 2.3 g/cc (144 lbs/ft³) | | 2.3 g/cc (144 lbs/ft³) | | 1.73 g/cc (108 lbs/ft³) | 1.73 g/cc (108 lbs/ft³) |
| CABLE LENGTH | 2 m (6.6 ft) | 8 m (26.2 ft) | 2 m (6.6 ft) | 8 m (26.2 ft) | 2 m (6.6 ft) | 8 m (26.2 ft) | 30 m (98.4 ft) | 30 m (98.4 ft) |
| MAXIMUM CABLE LENGTH | 75 m (246.1 ft) | | 1,000 m (3,280 ft) | | 1,000 m (3,280 ft) | | 75 m (246.1 ft) | 1,000 m (3,280 ft) |
| SENSITIVITY | 0.0126874 V/mm/s (0.32226 V/in/s) | | 0.0126874 V/mm/s (0.32226 V/in/s) | | 0.0126874 V/mm/s (0.32226 V/in/s) | | 0.0126874 V/mm/s (0.32226 V/in/s) | 0.0126874 V/mm/s (0.32226 V/in/s) |
| TEMPERATURE RANGE | -40 to 50°C (-40 to 122°F) | | -40 to 50°C (-40 to 122°F) | | -40 to 50°C (-40 to 122°F) | | -40 to 50°C (-40 to 122°F) | -40 to 50°C (-40 to 122°F) |
| REQUIRED SOFTWARE | THOR Compliance | | THOR Compliance | | THOR Compliance/ THOR Advanced (VDV) | | THOR Compliance | THOR Compliance |

Note: All Minimate Pro4/Pro6 Standard Sensors can operate in Advanced mode and benefit from high sample rates (up to 65,536 S/s) when configured with a THOR Advanced license.

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