



INTRODUCING A NEW GENERATION OF GEOPHYSICAL SYSTEM

# ULTRA-WIDEBAND MT (UMT) SYSTEM

MTC-155/185 SENSORS



MTC-100 series

## MAIN ADVANTAGES

- Simultaneous, uninterrupted AMT and MT
- Automated detection by the receiver for easier acquisition and processing
- Switch-free sensor
- Improved response in AMT and MT deadbands
- Lightweight
- Low noise levels across bandwidth
- Reduces survey costs and logistics



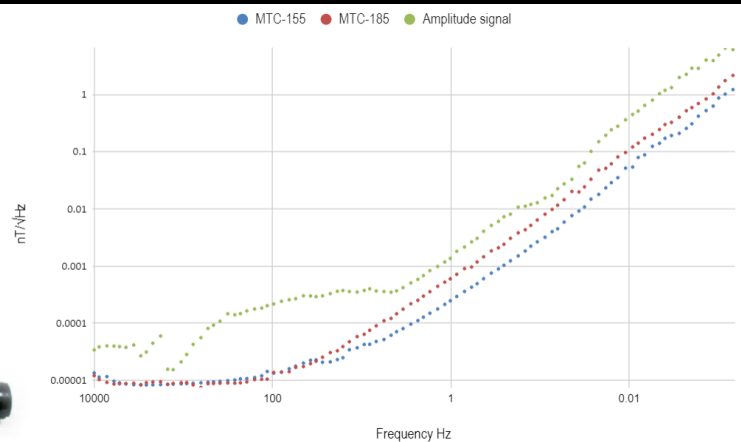
## SPECIFICATIONS

10,000 Hz-10,000 seconds

MTC-155: 144 x 7 cm; 6.4 kg

MTC-185: 92 x 7 cm; 4.5 kg

## FIELD OPERATIONAL NOISE FLOOR VALUES



## Introducing our new induction sensor family

### The MTC-100 Family of sensors

Simultaneous broadband sensors are the new worldwide standard for commercial MT surveys. They are routinely used in North and South America, Europe, Africa and Asia. The use of MTC-100 series decreases operating costs of surveys while improving data quality.

Switch-free technology records *both MT and AMT band simultaneously*.

During overnight MT readings AMT gets collected at no additional cost. A recording of 8 hours of MT will deliver 8 hours of AMT.

With an AMT signal being significantly stronger during the night, AMT readings performed in this fashion are likely to be free of AMT deadband.



The new 100 Series Phoenix Induction Sensors eliminate the decades old artificial division of MT spectrum into combined Audio-Frequency MT (10 kHz to approx. 1 Hz) and MT (approx 400 Hz to 10,000 seconds).

Phoenix sensors and receivers can reach as low as 100,000 seconds by using continuous multiple acquisition days.

The advantages are so compelling that the 100 series sensors are very rapidly displacing the older separate AMT and MT sensors and becoming the *solution of choice*.

MTC-185 sensors are ideal for measuring the vertical field, or for CSAMT techniques.

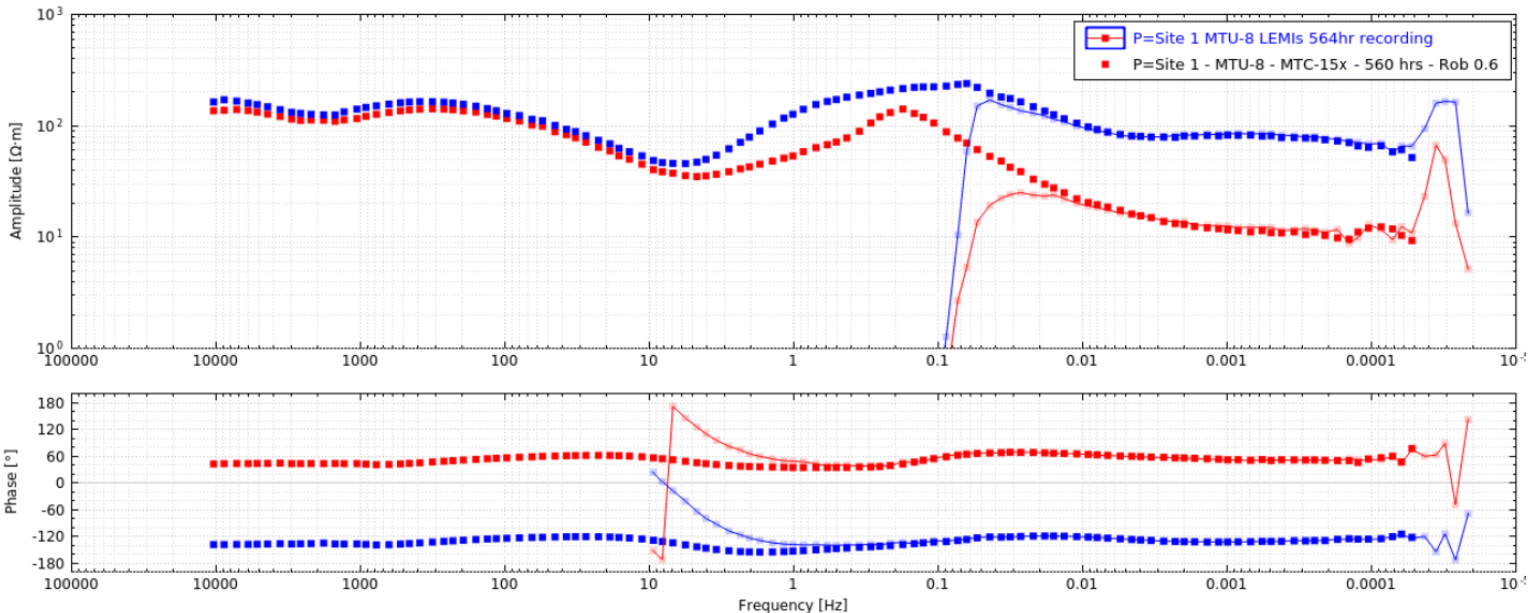
MTC-155/185 sensors provide improved stability and automatic serial number reporting.

Over 100 sensors sold every year

## ULTRA-WIDEBAND SOUNDING WITH MTC-15X AND FLUXGATE SENSORS

P=Site 1 - MTU-8 - MTC-15x - 560 hrs - Rob 0.6 (LowFreq)

May 13 01:25:06 to Jun 05 09:40:14 UTC (560 h 15 m 8 s)



Phoenix Geophysics Limited  
 3781 Victoria Park Avenue, Unit #3  
 Toronto, Ontario M1W 3K5  
 Canada

Telephone: +1 416.491.7340  
 E-mail: [contact@phoenix-geophysics.com](mailto:contact@phoenix-geophysics.com)  
 Web: [www.phoenix-geophysics.com](http://www.phoenix-geophysics.com)