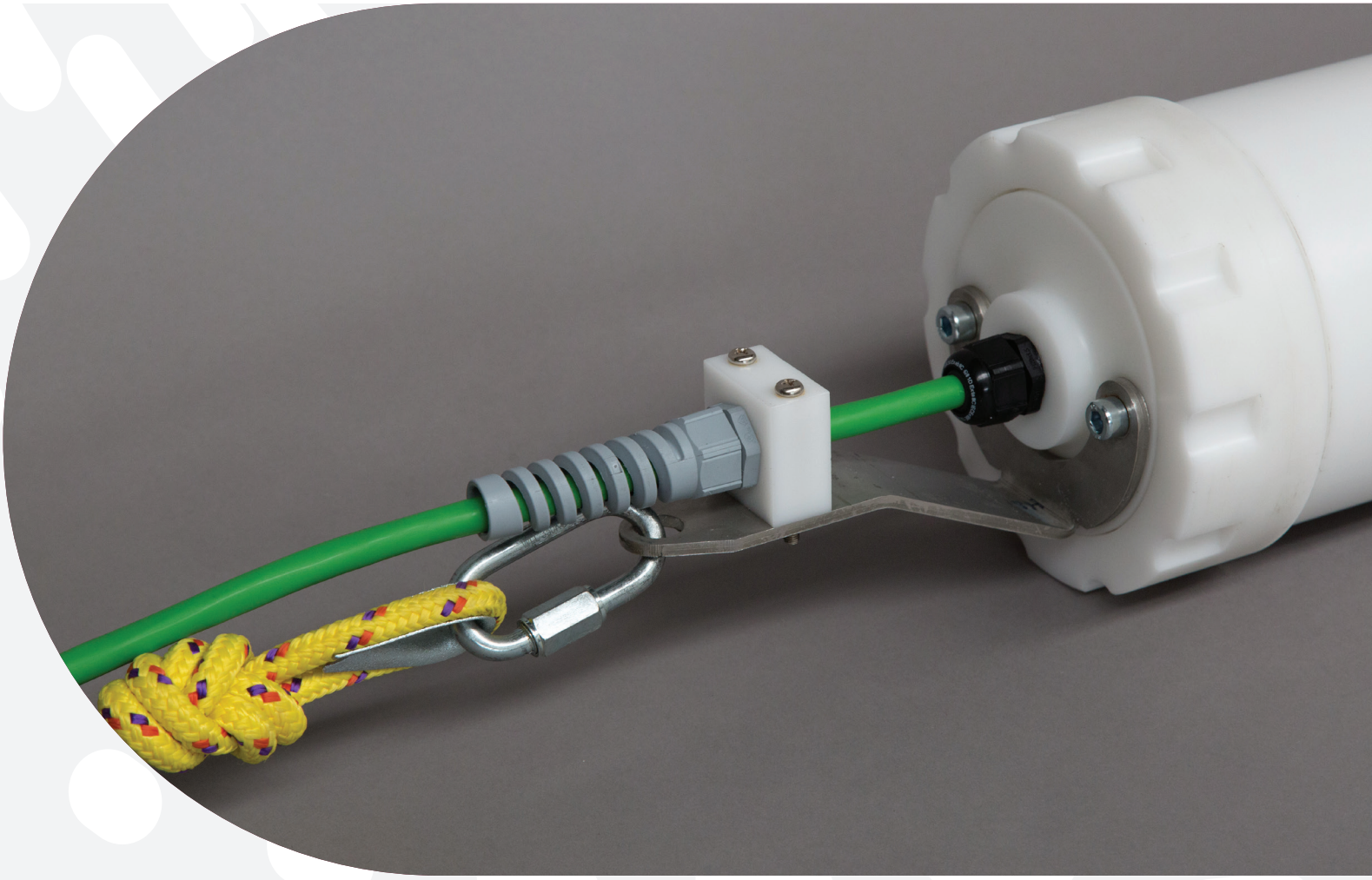
NUVIATECH INSTRUMENTS

SPECIFICATION SHEET

NuDET ENA UW

INTELLIGENT SPECTROMETRIC UNDERWATER PROBE



The NuDET ENA UW premium series of spectrometric probes specifically designed for underwater measurements. The probes provide excellent sensitivity and spectrometric resolution. They are suitable for multiple applications such as industrial monitoring, during decommissioning projects, during reactor defueling, around storage ponds, or for environmental monitoring of contaminated natural water sources.

Benefits

- Optional size of NaI(Tl) scintillation crystal (2″ or 3″)
- Integrated MCB3 analyzer
- Excellent sensitivity
- Easy deployment
- High accuracy

Key Figures

50 meters

➥ *Max. working underwater depth*

0.7 Bq/L for 3″ probe

➥ *Detection limit for Cs-137 in 10 min. counting*

IP68

➥ *Ingress Protection*

NuDET ENA UW

INTELLIGENT SPECTROMETRIC
UNDERWATER PROBE

Product Description

Main components

- 2″ or 3″ NaI(Tl) scintillation crystal with PMT
- NuNA MCB3 multi channel analyzer

Product Applications

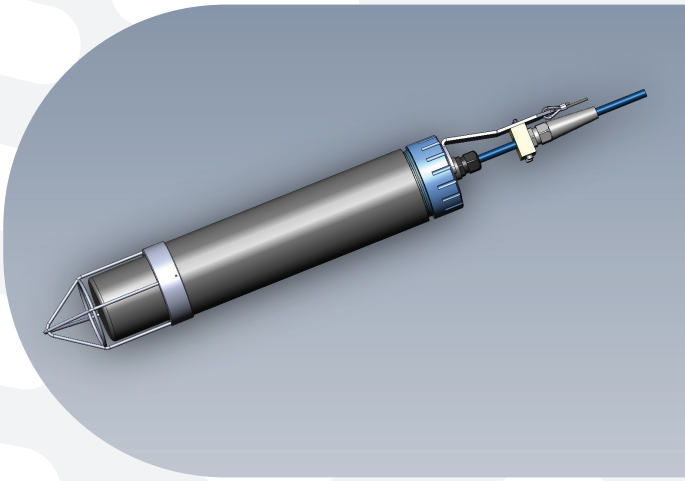
- Industrial applications
- Environmental monitoring
- Long term water monitoring
- Short term wells monitoring

Product Specifications

Maximum working underwater depth	50 meters
Dimensions	770 mm, Ø 105 mm (2″ probe) 820 mm, Ø 150 mm (3″ probe)
Temperature range	from -25 to +55 °C (for measurement outside the water)
Ingress protection	IP68
Detector resolution	< 6.8 % (2″ probe) < 7.8 % (3″ probe)
Detection limit for Cs-137 in 10 min. counting	1.6 Bq/l (2″ probe) 0.7 Bq/l (3″ probe)
Detector stabilization	By gain shift - controlled by position of 1460 keV line of K-40
Energy range	40 keV - 3 MeV

Control Software

- MS Windows* XP/7/8/8.1/10 compatible
- Measurement of ambient dose equivalent rate
- Assessment of relative abundance of radionuclides in the spectrum
- Periodic storage of acquired spectra
- Real-time display of current spectral acquisition
- User customisable nuclide library
- Potential to display data from other sources, e.g. meteorological data, temperature sensor, GPS mapping



* Third party trademarks are the property of their respective owners.