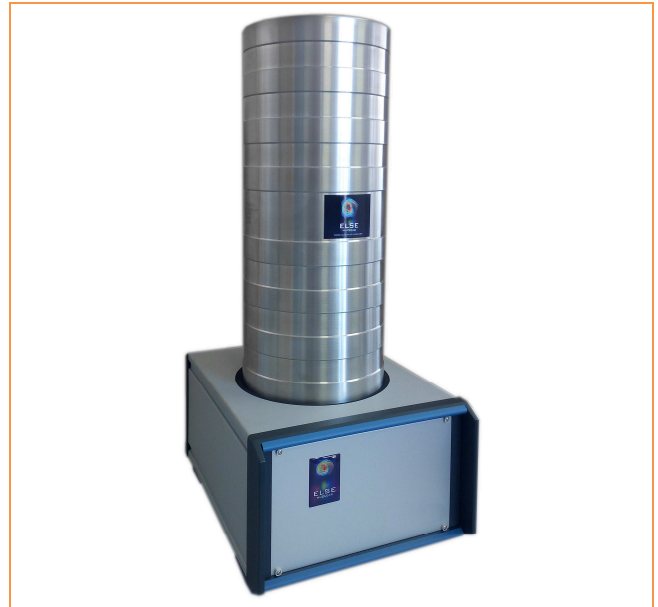


HIGH PRESSURE IONIZATION CHAMBER FOR GAMMA MONITORING

ICP Series

MAIN FEATURES

- Energy range:
 - 35 keV ÷ 10 MeV (ICP-T)
- Volume: 5.2 liters
- Measurement range:
 - 10 nSv/h ÷ 10 Sv/h
(standard environmental measurements)
 - 10 nSv/h ÷ 0.1 Sv/h
(-PF version for pulsed fields)
- Energy response:
 - ± 20% from 80 keV to 120 keV
 - ± 5% from 120 keV to 2 MeV
- Dimensions: Ø 186 mm, W_{max}= 256 mm, D_{max}= 327 mm, H_{max}= 560 mm
- Wall mounting kit available
- IP54 container available



DESCRIPTION

The high-pressure ionisation chambers of the **ICP Series** are designed for environmental area monitoring of the gamma dose rate; the enclosure of the ICP-T version is particularly suited for the detection of low-energy gammas (>35 keV).

All models are supplied together with ELSE NUCLEAR's state-of-the-art HV and electrometer boards (autoranging), providing power supply, signal acquisition and processing.

The standard electrometer is a 9 decades version (10 nSv/h ÷ 10 Sv/h), while the -PF version comes with a 7 decades electrometer (10 nSv/h ÷ 0.1 Sv/h) for pulsed fields measurements. The -PF version is particularly suited for measuring very high-level pulsed radiation fields, such as those generated by synchrotrons and other accelerators.

The ionisation chambers of the **ICP Series** are managed by ratemeters of the SATURN Series (ETH or serial communication), which can also manage an alarm column (ALU) through the available relay contacts.

- Accuracy: ± 5% at environmental background level
- Temperature range: -25 ÷ +50 °C; relative humidity: ≤ 95% non condensing
- Electrometer for environmental area monitoring: standard 9 decades (10 nSv/h ÷ 10 Sv/h)

OPTIONS

- Electrometer for pulsed fields (-PF version): 7 decades (10 nSv/h ÷ 0.1 Sv/h)
- Communication with host PC: Ethernet, serial or wireless

ACCESSORIES AVAILABLE UPON REQUEST

1. Wall mounting kit
2. IP54 container
3. Warranty extension from 12 months to 24 months

ORDER GUIDE

Available versions	Options	Accessories
ICP-T	-PF Ethernet, RS485 or wireless comm.	Wall mounting kit IP54 container Warranty extension