



# Tele-STTC-2™

## Wide Range Gamma Telescopic Probe

The compact size, exceptionally light weight, and easy-to-deploy mechanism of the Tele-STTC-2 make this probe an ideal tool for measurement of areas that are difficult to access or require remote measurement high exposure areas.

### FEATURES

- Telescopic pole with  $H^*(10)$  ambient gamma dose equivalent rate measurement probe
- Gamma dose rate measurement up to 10 Sv/h (1000 rem/h)
- Energy-compensated Geiger Mueller detector
- Remote measurement up to 4.09 m (13.4 ft)
- Compact size when folded
- Extremely lightweight and rugged
- Integrated cable for meter
- Calibrated via a personal computer (PC) which enables the direct generation of electronic format calibration data. Eliminates the need for paper and transcription errors

*Tele-STTC-2-2 probe is part of Canberra™ Smart Probe (CSP™) family, that drives numerous benefits, such as plug and play capabilities and exceptional readiness for field operations. Please refer to the “hand-held probes” brochure for further details.*



### DESCRIPTION

Tele-STTC-2 supports ALARA principles by allowing the operator to obtain measurements both quickly and at increased distances, due to its maneuverability. Tele-STTC-2 requires minimal space when packed and the pole can be extended with secured 1/4 turn rings for each extension segment.

Molded rings are added to original locking rings to facilitate handling (except on Tele-STTC-2L/R31 model). The unit is so lightweight that even when unfolded, it doesn't need to be offset, and the pole and meter can be used together even for short range measurements. The meter remains at the user's eye level even when the pole is opened.

A shoulder strap can be used to secure Tele-STTC-2 when used in the open position or simply to keep it attached while being carried.

The unit consists of a detector integrated on a telescopic carbon fiber-based pole on which a meter is attached by a connecting clip. The meter is removable and can therefore be used independently. Tele-STTC-2 can be used with the Radiagem™, Colibri® or RDS-31™ personal survey meters, which are not included.

The detector integrated into the Tele-STTC-2 is designed for gamma dose equivalent rate measurement and extends the distance from the radiation source when used with the selected survey meter. It uses the time-to-count algorithm from CANBERRA, hence enabling a unique range of measurement with only one Geiger Mueller detector. By using only one detector, the Tele-STTC-2 offers a better angular response than any other probe with an equivalent measurement range and comes in a smaller form factor. Additionally, the multiple detector switching effect present with other instruments is not an issue for the Tele-STTC-2. The Tele-STTC probe's firmware can be upgraded via CSPS, with the USB – PC cable and a PC.



# Tele-STTC-2 | WIDE RANGE GAMMA TELESCOPIC PROBE

## NUCLEAR CHARACTERISTICS

- **Display units** sv/h, sv or rem, rem/h depending on survey meter connected
- $H^*(10)$  ambient gamma dose equivalent rate according to CIPR60
- **Emitters:** gamma
- **Detector:** energy compensated geiger mueller.
- **Sensitivity:** 0.74 c/s for  $\mu\text{sv/h}$  (CS-137)
- **Measurement range:** 0.1  $\mu\text{sv/h}$  to 10 sv/h (10  $\mu\text{rem/h}$  to 1000 rem/h).
- **IEC approved measurement range:** 0.7  $\mu\text{sv/h}$  to 10 sv/h (70  $\mu\text{rem/h}$  to 1000 rem/h)
- **IEC energy range:** gamma 36 keV to 1.5 MeV.
- **6.2 MeV response** to true Dose Equivalent Rate: 1.5
- **Background:** ambient <0.1  $\mu\text{gy/h}$  (10  $\mu\text{r/h}$ ) 0.10 c/s
- **Maximum integrated dose:** approximately 500 sv

## ERGONOMIC

- **Display:** provided by survey meter or PC
- **Alarm setpoints:** 10 values for each unit to display. Saved in probe memory. They can be changed with CPCS and PC

## ELECTRICAL

- **Power:** supplied by survey meter (low voltage only)
- **Consumption:** 9 mA to 40 mA depending on dose rate.

## MECHANICAL CHARACTERISTICS

- **Probe housing:** Aluminium.
- **Pole:** Carbon Fiber and stainless steel (meter stand).
- **Storage:** Storage case for Tele-STTC-2 is included
- **Dimensions:**
  - Closed Pole: 1080 mm (3.54 ft)
  - Opened Pole: 4090 mm (13.4 ft)
- **Weight:** 1.7 kg (3.75 lb) without meter
- **Storage case:** included

## ENVIRONMENT

- **Temperature:** -10 °C to +50°C (+14 to +122 °F)
- **Relative humidity:** 40% to 95% at 35°C
- **Cleaning:** housing easy to decontaminate
- **Ingress protection:** IP54

## NORM

- **EMC:** conform
- **CE:** meets CE requirements
- **IEC:** designed to meet IEC 60846

## ORDERING REFERENCES

- Tele-STTC-2/R2000 (for Radiagem) NOM006621 (EM106943)
- Tele-STTC-2/C (for Colibri) NOM006620 (EM106942)
- Tele-STTC-2/R31 (For RDS-31) NOM006622 (EM106944)
- Tele-STTC-2L/R31 (For RDS-31, pole without additional molded ring) NOM006673 (EM108412)
- CSP-PC USB cable NOM006288 (EM78466)
- Calibration/Setup Software (CPCS):
  - CPCS-F: NOM006289 (EM78468)
  - CPCS-R : NOM006298 (EM80642)
  - CPCS-E : NOM006299 (EM80643)

Note: Radiagem, RDS-31 and Colibri are not included with Tele-STTC-2 and should be ordered separately.



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