

## GRAETZ News:

### Radiation Measuring Instruments for explosion endangered areas

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Radiographic NDT measuring tasks in explosion endangered atmospheres in chemistry / petro-chemistry, in the "off-shore" range, in refineries, in mining etc. require radiation measuring instruments with the corresponding ATEX-approval.

GRAETZ supplies the following, intrinsically safe measuring devices for such requirements:



Fig. 1:  
Dose rate alarm unit  
GRAETZ "GammaSmart V.Ex"



Fig. 2: Dose rate meter GRAETZ "X 5 CEx"

Both devices are ATEX type-approved acc. to directive 94/9/EC and can be thus used for measurements in explosion endangered atmospheres.

The **GRAETZ "GammaSmart V.Ex"** is a very robust, simple to operate, pocket sized alarm instrument, detecting gamma radiation and X-rays, indicating these with clear optical and acoustical single-pulses, which are increasing when dose rate increases. The splash-proof aluminium housing (IP 54) ensures a shielding against electromagnetic influence. An optical control shows whether the instrument is ready for use.

But: the "GammaSmart V.Ex" is **NO** replacement for a dose rate meter. **Anyway**, defined control limits and other legally prescribed dose rate measurements have to be effected with a suitable dose rate meter, as e. g. with the **GRAETZ "X 5 CEx"**.

The dose rate meter **GRAETZ "X 5 CEx"** is a PTB-approved, portable dose rate meter for the measurement of gamma radiation and X-rays. It is watertight up to a submersion depth of 1 m (IP 67) and especially designed for rough application conditions. The instrument has four free programmable dose and dose rate alarm thresholds. The use of an external probe (type "18 550 CEx") facilitates even measurements at "hard-to-get-to" places.

**For 60 years know-how in  
radiation measuring technology!  
We advise and assist you on all  
questions concerning  
radiation protection!**

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