

Ex 715

Static Meter

The EX715 Static Meter has been developed to investigate industrial static electricity problems and has been certified for use in hazardous areas.



Benefits and Advantages

- The EX715 is certified for use in hazardous area Zones 1 and 2. See page 2 for details of ATEX and IECEx certification.
- The EX715 measures static electricity on the surface of a material, at a distance of 100mm.
- The meter can show where and how the static is generated, its magnitude and its polarity. This gives the engineer a scientific basis for analysis.
- The EX715 monitors the effectiveness of the action taken to solve the problem. If the solution involves static control equipment, the EX715 shows its most effective position.
- The EX715 allows the engineer to set standards to avoid future problems. These can range from an acceptable level of charge in the hazardous area, to charge levels in products being produced by the process.
- The EX715 has two ranges selected by a slide switch on the side of the case. The high range measures up to 200kV with a resolution of 100V. The low range measures up to 20kV with a resolution of 10V.
- Hold facility to freeze the reading on the LCD.

Applications

Static electricity is a potential problem in many industrial areas. It slows production, reduces product quality, attracts contaminants and gives shocks to operators. It is a well-known phenomenon throughout the plastics, packaging, electronics, paper, medical, pharmaceutical and textile industries - in fact in every area that processes or handles non-conductive materials.

In industries which use solvents, explosives or other materials with a low minimum ignition energy level, static can create the additional hazard of fire and explosion risks.

The EX715 enables the engineer to investigate these risks with safety and integrity.

EX715 Static Meter: Technical Details

Recessed Sensing Head shielded from non-target electrical fields

ATEX and IECEx Certification

ATEX is the European certification.
IECEx is the unified international certification.

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Ex ia IIB T4/T5 (see schedule)

Baseefa07ATEX0159

IECEx BAS07.0042

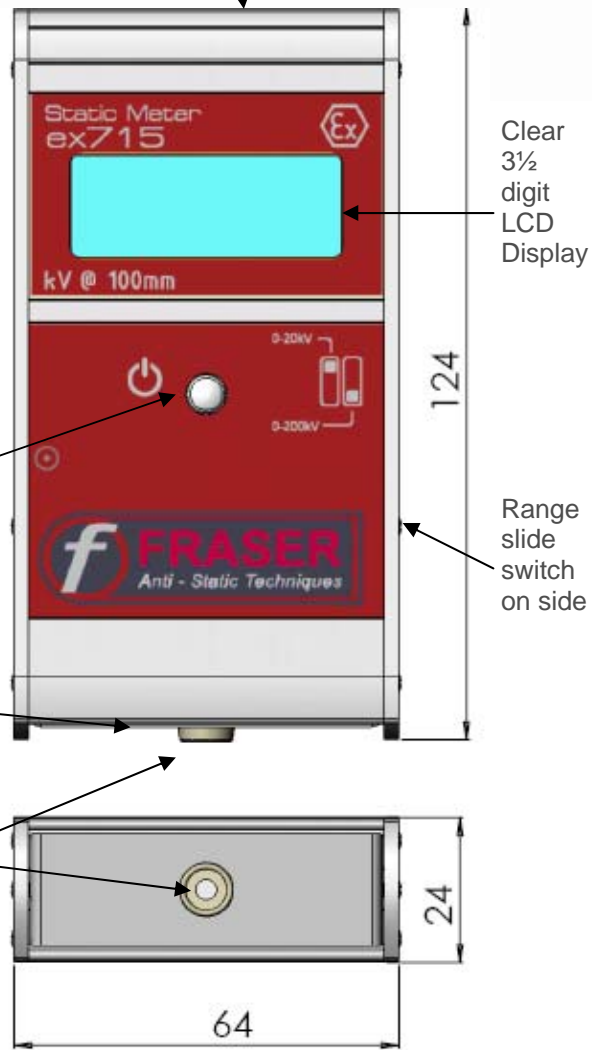
See Operating Instructions for details of batteries and other operational matters

"On" Button:

- One press turns ON
- Second press holds reading
- Third press reactivates reading
- Power turns off after 60 seconds

Battery cover secured by two screws

Earth bonding connection.
A 3m curly earth cord with a crocodile clip / 4mm bayonet connector is supplied.



Range/Resolution:	0-200kV / 100V and 0-20kV / 10V. Range selection by slide switch on side plate.
Drift:	<0.1% in 10secs.
Standard:	In addition to ATEX and IECEx, EN-500081-1 (EMC) and BS7506-2 (Construction).
Calibration:	On a 150mm x 150mm charge plate.
Size, Weight:	124mm x 24mm x 64mm. 180g.
Construction:	Anodised aluminium case with recessed stainless steel sensing plate for maximum integrity and accuracy.
Operation:	Click button to zero. Click button again to "hold" the reading. Automatic switch-off after 60 seconds. Low volt indicator shows condition of battery.
Equipment:	Supplied with carrying case, battery, earth lead and certificate of calibration.