

Directional Dust Deposition Gauge (DDDG)

Thomson Environmental Systems (TES) manufacture both standard Dust Deposition Gauges (DDGs) and Directional Dust Deposition Gauges (DDDGs) for organisations seeking compliance monitoring in accordance with AS 3580.10.1:2016, AS 3580.10.2:2013 and AS/NZS 3580.1.1(2016). Our high quality yet cost-effective dust gauges are constructed from materials that are designed to last in harsh outdoor environments.

At TES, we have been supporting engineers, technicians and scientists with quality environmental instruments since 1997. We are proud to provide our clients with a variety of monitoring equipment options, in addition to services for installation, decommissioning, sampling, analysis and reporting. Additional sampling collection equipment can be provided to allow for seamless swap outs over continuous monitoring periods.

How it works

Localised dust levels can be accurately measured using a combination of exposure periods with the mass of deposited matter. Data is often collected when evaluating the effects of dust causing activities for both compliance and internal use. TES utilize NATA certified laboratories which categorize the type of particulate (combustible to non-combustible matter), however, collected samples can be further analyzed upon request.

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TES provide easy to assemble dust deposition gauges (DDGs) manufactured with high grade materials and fitted with a bird deterrent to ethically prevent birds interfering with collected samples. Mounting options includes heavy duty tripods and picket stands to meet Australian standard positioning of $2 \pm 0.2\text{m}$ for funnel heights. Grade A glass is used for both our funnels and collection bottles. We supply 5L collection bottles to allow for high rainfall to be collected and not invalidate samples. Relevant standards specify exposure periods are to be 30 ± 2 days.

Directional Dust Deposition Gauge (DDDG)

The TES DDDG is an multi-directional dust deposition gauge capable of gravimetrically measuring dust particulates in four directions by means of four vertical collection pots. Additional pots can be provided for seamless swap outs over continuous monitoring periods. To comply with Australian standards, DDDGs should be positioned so the top of the gauge is 1.5m to 2m above ground level.

Ideal applications

- Road & construction sites
- Industrial applications
- Remediation works
- Agricultural areas
- Landfill in urban areas
- Mining operations

