

# InView tc

The InView tc probe is a macroscopic measurement system that can be applied to environments where dust protection is important. The InView tc can be used in a wide range of particle sizes and distances to the objects of interest. It can be flanged to looking or inspection glasses of granulators, reactors, chutes, or mounted above conveyor belts.



The InView tc system is equipped with a color camera and is suitable for many different particle detection tasks. The InView tc is, opposed to the non-ATEX version, not equipped with a ring of LEDs, but additional ATEX-rated LED panels can be used to illuminate the objects in different angles and distance. To reduce fouling on the InView tc window, we optionally provide a purging device which is mounted on the flange provided.



| Parameter                       | Specification   |
|---------------------------------|---|
| Particle Size Range             | 50 – 50,000 µm (depending on used camera lens)  |
| Field of View (diag.)           | customizable  |
| <b>Dimensions &amp; Weights</b> |   |
| Housing                         | Length: 209 mm<br>Diameter: 75 mm   |
| Weight                          | 3.6 kg  |
| Flange                          | Mounting holes: 4x D11 on 100 mm circle<br>Flange OD 120 mm                           |
| <b>Materials</b>                |   |
| Housing                         | 1.4404 (316L)   |
| Window                          | Sapphire  |
| <b>Technical Data</b>           |   |
| Permissible Process Temperature | n/A (ex-situ)   |
| Permissible Ambient Temperature | 0 – 50°C  |
| Permissible Process Pressure    | Ambient pressure  |
| Camera                          | 5.1 Megapixel Machine Vision Camera with GigE Interface, 15 fps (grey), 7 fps (color) |
| Cable                           | Standard length: 10 m   |
| <b>Approvals</b>                |   |
| Protection                      | IP 52   |
| Compliance                      | RoHS conform according to 2011/65/EU  |
| ATEX certification              | II 3D Ex tc IIIB T 100°C Dc   |

### Complete your system:

- Purging Flange
- Terminalbox 2
- ATEX LED Panels
- Non-ATEX version available

