

# Electrodeposited Organic Coating (EDOC)

## An Effective and Proven Anti-Corrosion Coating



VPG Transducers load cells are commonly used in many applications and markets globally. Load cells are a prime component in a measurement system of force and weighing nature. Depending on the weighing system installation or application, many of these load cells can be exposed to hostile environment such as corrosive chemicals, animal waste or heavy dust. Protection of load cells from corrosion are paramount in ensuring a system longevity and repeatable measurements performance.

### Premium Quality and Value

Having more than 60 years of experience in manufacturing load cells, VPG Transducers can now offer you the option to have additional protections towards any alloy steel material load cells. The Electrodeposited Organic Coating (EDOC) provides additional protection in the most extreme environment where corrosion could occur. EDOC superior corrosion resistance forms a professional uniform coating which added to its attractive black finish appearance.



Model 5330



Model 178

### Low Ownership cost

To safeguard a better return of investment (ROI) for our customers in terms of reliability, lower ownership cost, and dependable repeatability of measurement. VPG Transducers offers an effective anti-corrosion coating (EDOC) in a wide range of alloy steel load cells.

# Electrodeposited Organic Coating (EDOC)

## Proven and Tested

The Salt Spray Test ASTM B-117 is an international standardised test method used to check the corrosion resistance of coated samples against salt water. This test aims to provide corrosion resistance evidence of a protective coating over metallic parts made of steel, zinc and aluminium alloys or brass. To prove Electrodeposited Organic Coating (EDOC) can sustain a high corrosion resistance through the intended life of the part in use, we tested our EDOC coated load cell in a salt spray chamber creating an exposure rate higher than normal condition. The Salt Spray chamber creates an accelerated corrosive attack to the coating in order to predict its effectiveness in a corrosive environment. After 1000 hours of Salt Spray Test, VPG Transducers EDOC coated load cell displayed no sign of corrosion (i.e rust) form on its coating.

## Salt Spray Test ASTM B-117 video – click or scan



## APPLICATIONS

- Corrosive environments
- Heavy wash-down environments
- Heavy dust



Model 3410

## FEATURES

- Superior corrosion resistance
- Controlled, Uniform, even coat
- Environmentally safe process



Model 363

At VPG Transducers, we understand that each application can be unique or special.

Please contact our in-house Custom Solutions team to engage our services towards meeting your specific requirements:

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