

Galvashield manual monitoring unit



constructive solutions

Monitoring unit for the measurement of galvanic performance

Uses

For use in monitoring the performance of the Galvashield XP/CC range.

Advantages

- Provides the user with a record of selected areas of the Galvashield system through out its design life
- Enables the user to measure Galvanic current and steel potential
- Enables the user to estimate IR drops across the reference electrodes
- Enables the user to predict life expectancy
- Quick and easy to install

Description

The Galvashield manual monitoring system is encased within a durable plastic outer. The box is available as a six or twelve gang unit. Each socket can be utilised to take manual galvanic current or steel potential readings depending upon the need of the user. The box is operated through various switches enabling the user to conduct manual depolarisations.



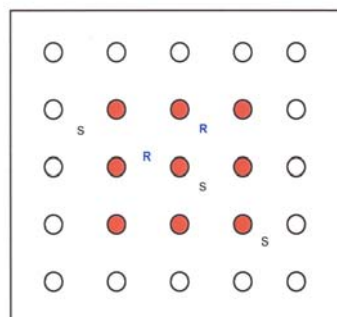
Technical support

Fosroc offers a comprehensive range of high performance, high quality concrete repair and construction products. In addition, Fosroc offers a technical support package to specifiers, end-users and contractors, as well as on site technical assistance in locations all over the world.

Application instructions

Prior to application, a suitable position shall be found to house the monitoring unit. This position shall be no further than 50m away from the proposed area. Four holes shall be drilled into the substrate to accommodate the fixings. All wiring from the monitored area shall be chased or passed through conduit to the monitoring facility. Suitable holes shall be made as to allow the wire to pass into the boxes. All holes and any areas of potential water ingress shall be sealed using Nitoseal MS300 or suitable water tight connectors.

Typical Galvashield CC monitored zone



- O** Monitored anode
- S** Steel connections
- R** Reference electrodes

Monitored areas are not installed using the same installation procedure. The anode(s) in question are not connected directly to the steel. Instead all wire types,

- Anode string
- Steel connections
- Embedded reference electrodes,

are kept separate and chased/run to the proposed area for the Galvashield manual monitoring unit. The appropriate wires are then connected to the appropriate terminal inside the box.

Each monitored zone requires 3 steel connections to ensure steel continuity through out the design life of the system.

Fosroc does not supply reference electrodes. Typically a silver-silver chloride reference electrode would be used.

Properties

Dimensions

6 gang box : 55mm x 120mm x 120mm

Galvashield is the trade mark of Fosroc International Limited

Galvashield manual monitoring unit



Fosroc Limited
Drayton Manor Business Park
Coleshill Road, Tamworth,
Staffordshire B78 3TL. UK

www.fosroc.com

Important note

Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard Conditions for the Supply of Goods and Services, copies of which may be obtained on request. Whilst Fosroc endeavours to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it.

telephone:
+44 (0) 1827 262222

fax:
+44 (0) 1827 262444

email:
uk@fosroc.com



Certificate number FM 610