



ACCUMETRIX*



TEMPERATURE MEASUREMENT SYSTEM

- + Improved metal quality
- + Quality assurance
- + Lower operation costs
- + Lower energy consumption
- + Robust design

ACCUMETRIX

Temperature measurement system

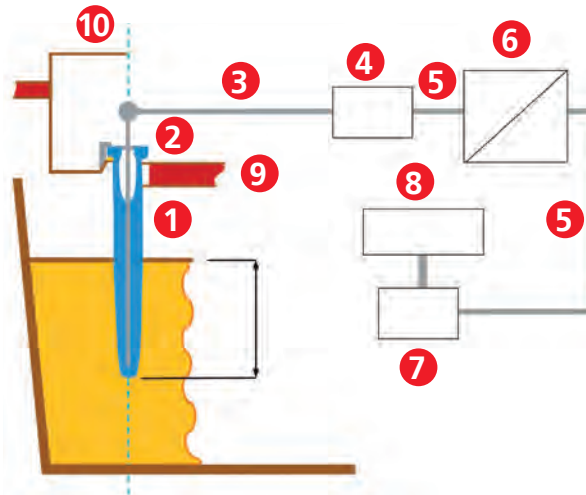
ACCUMETRIX is an industrial temperature measurement system. It continuously reads the bath temperature in real-time at a representative and fixed location inside the pouring vessel.

Able to withstand harsh environments over long periods, the system is composed of:

- + An inner long lasting type B thermocouple of patented design, providing high accuracy and enclosed in a molybdenum sheath.
- + An outer, disposable, refractory protector tube made of isostatically pressed graphitized alumina. This component has a high thermal conductivity combined with corrosion and erosion resistance to molten metals and slag.
- + A high temperature Pt/Rh type B cable.
- + Electronic equipment including a mV/mA signal converter and a temperature recorder.

Basic Installation Layout

- 1 Protector tube
- 2 Thermocouple
- 3 High temperature lead cable
- 4 Junction box
- 5 Cu/Cu signal cable 2x1.52 shielded
- 6 Temperature indicator / signal transformer
- 7 Process control computer
- 8 Temperature display
- 9 Cover
- 10 Manipulator



The ACCUMETRIX system provides many operational benefits

- + A continuous, real-time temperature control measurement
- + Improved operational flexibility through the display of temperature trends
- + The elimination of manual temperature measurement providing improved operator safety
- + Lower overall operating costs from the prevention of temperature-related breakouts and early warning of freeze-off



For most ferrous foundry installations, simple mounting brackets keep the system in position. The probe and protector tube can be changed easily



*FOSECO, the Logo and ACCUMETRIX are trade marks of the Vesuvius Group, registered in certain countries, used under licence. All rights reserved. No part of this publication may be reproduced, stored in a retrieval system of any nature or transmitted in any form or by any means, including photocopying and recording, without the written permission of the copyright holder or as expressly permitted by law. Applications for permission shall be made to the publisher at the address mentioned.
Warning: The doing of an unauthorised act in relation to a copyright work may result in both a civil claim for damages and criminal prosecution. All statement, information and data contained herein are published as a guide and although believed to be accurate and reliable (having regard to the manufacturer's practical experience) neither the manufacturer, licensor, seller nor publisher represents nor warrants, expressly or impliedly: (1) their accuracy/reliability, (2) that the use of the product(s) will not infringe third party rights, (3) that no further safety measures are required to meet local legislation. The seller is not authorised to make representations nor contract on behalf of the manufacturer/licensor. All sales by the manufacturer/seller are based on their respective conditions of sale available on request.
© Foseco International Limited 04/15.

COMMITTED TO FOUNDRIES

Foseco International Limited
Drayton Manor Business Park,
Tamworth, Staffordshire,
England B78 3TL
Phone: +44 (0)1827 262021
Fax: +44 (0)1827 283725
www.Foseco.com
Please contact your local Foseco team