BEAMEX - EAM integration for management of calibrations in TE/CRG

Thomas Ytterdal







• A Finnish company specializing in equipment for instrument calibration





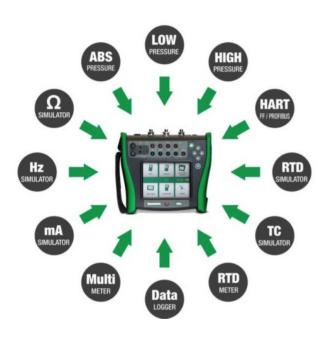
- A Finnish company specializing in equipment for instrument calibration
- Offer both workshop and field equipment for performing calibrations.



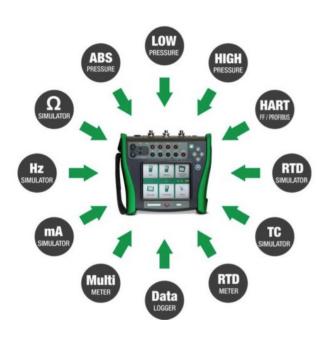


- A Finnish company specializing in equipment for instrument calibration
- Offer both workshop and field equipment for performing calibrations.
- Have a calibration management software to go with their calibrators.

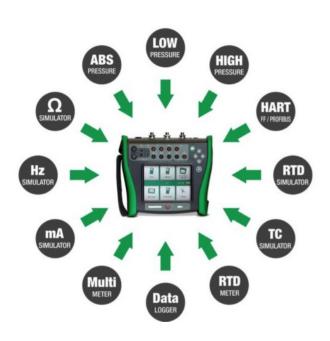




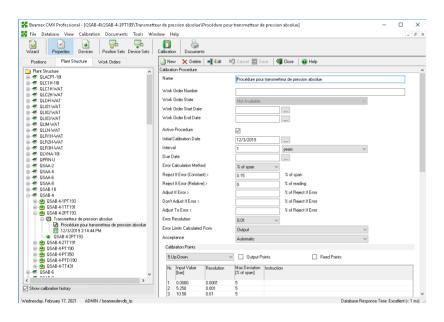
 The Beamex MC6 is an advanced, high-accuracy field calibrator and communicator

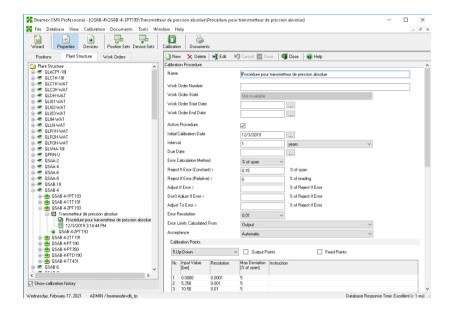


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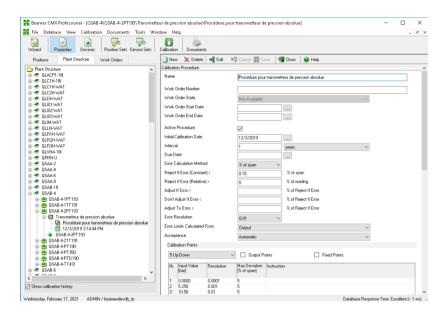


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- It offers calibration capabilities for pressure, temperature and various electrical signals.
- The MC6 also contains a fieldbus communicator for HART, FOUNDATION Fieldbus and Profibus PA instruments.

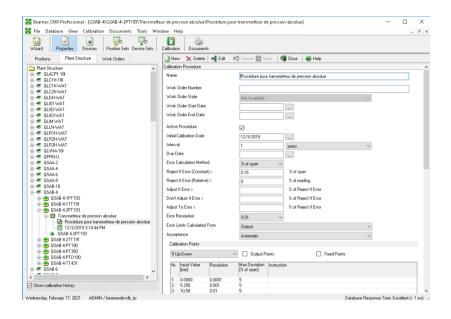




• Calibration Management software



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- Can be used for scheduling instrument calibrations

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- Exposes webservices for interacting with Beamex CMX

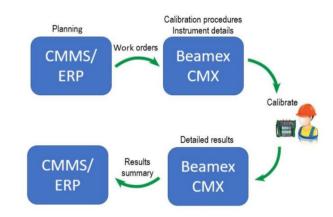
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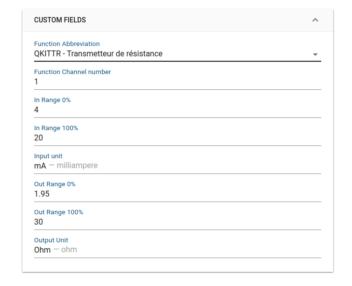
- Send existing positions from Infor EAM to Beamex CMX
- Handle scheduling of calibrations in Infor EAM using work orders and PM Schedules
- Store a summary of the calibration results in the work orders custom fields
- Generate a calibration certificate in Beamex CMX and store this in EDMS

Sending equipment from Infor EAM

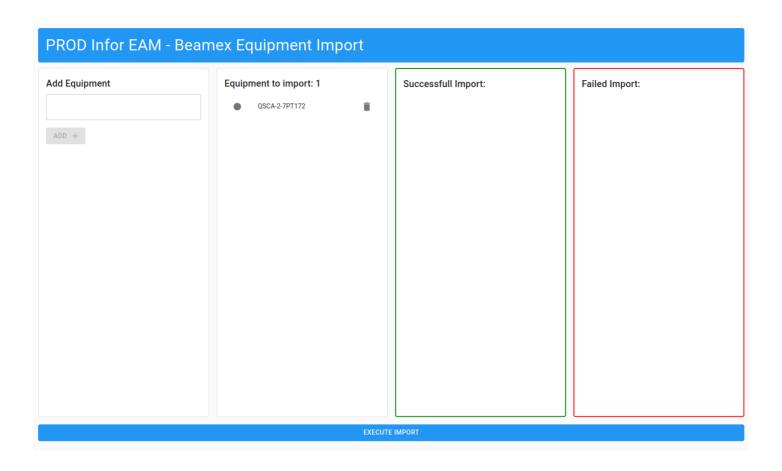
 Classes created for identifying equipment that can be sent to CMX

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- Position name, description and parent are sent to CMX

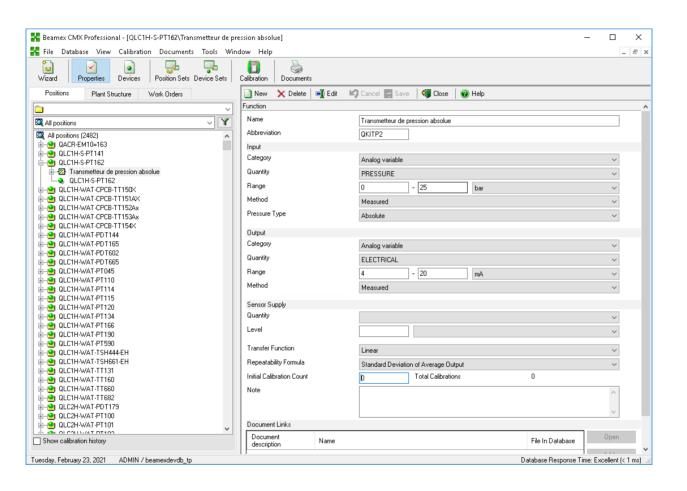
- Classes created for identifying equipment that can be sent to CMX
- Position name, description and parent are sent to CMX
- Additional information to be sent to CMX is stored in custom fields



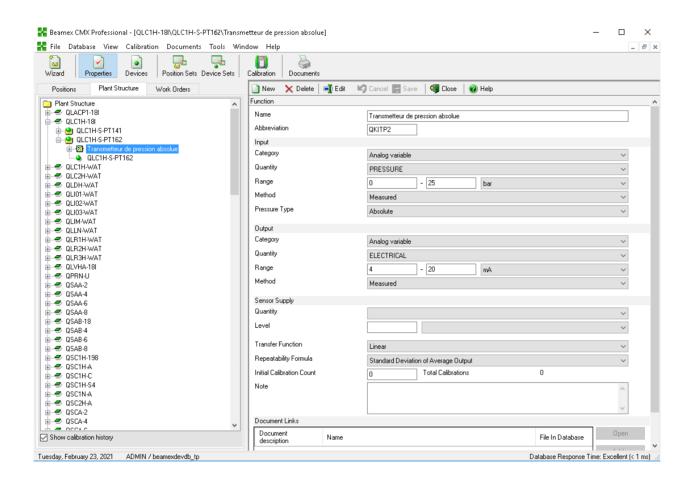
Interface for sending equipment



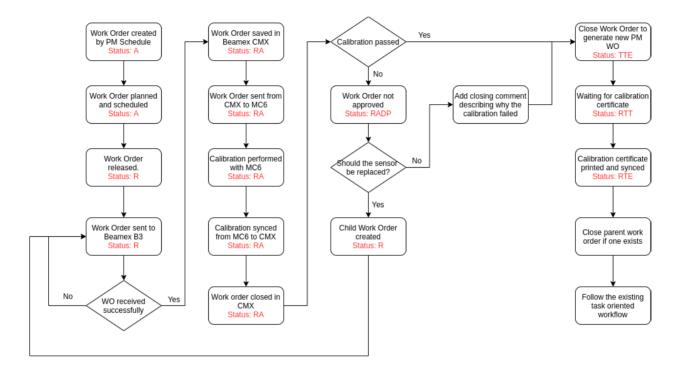
Equipment in Beamex CMX

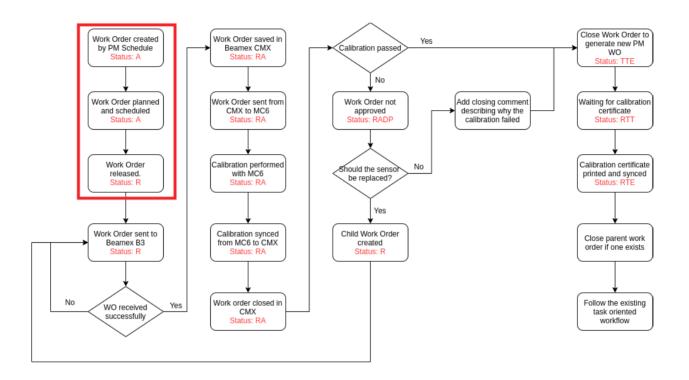


Equipment in Beamex CMX

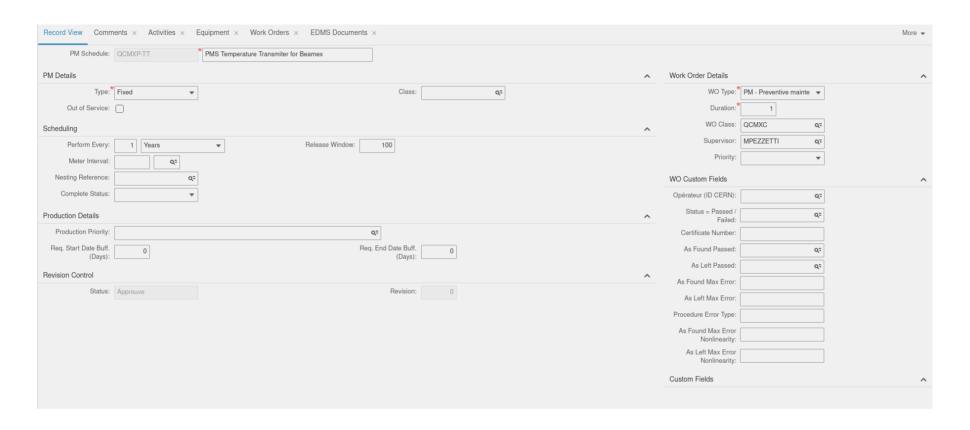


Handling Work Orders and Scheduling in Infor EAM

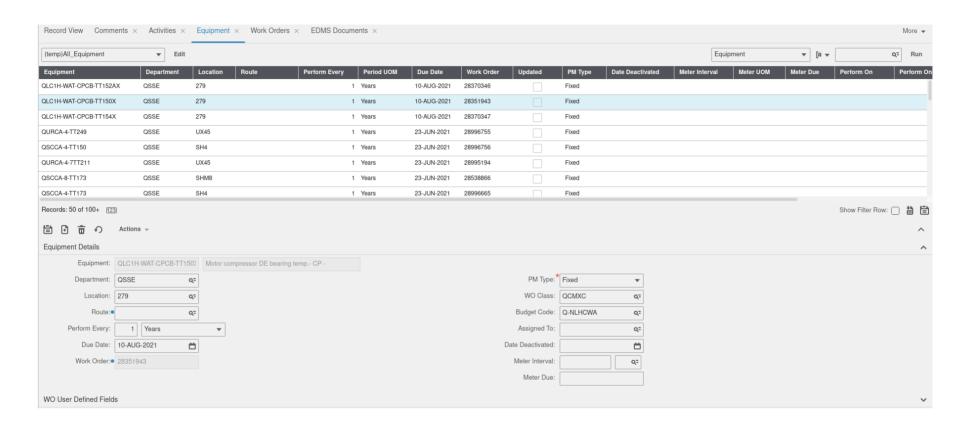


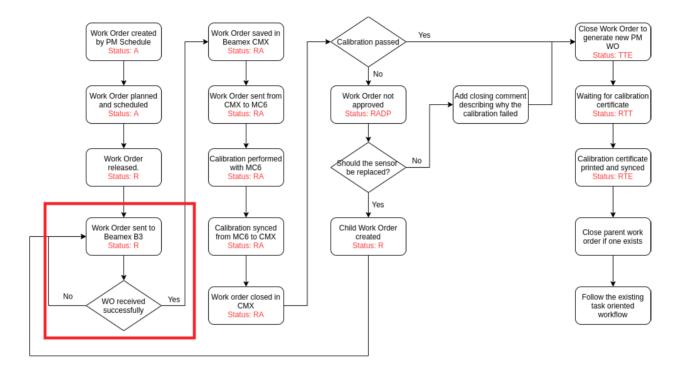


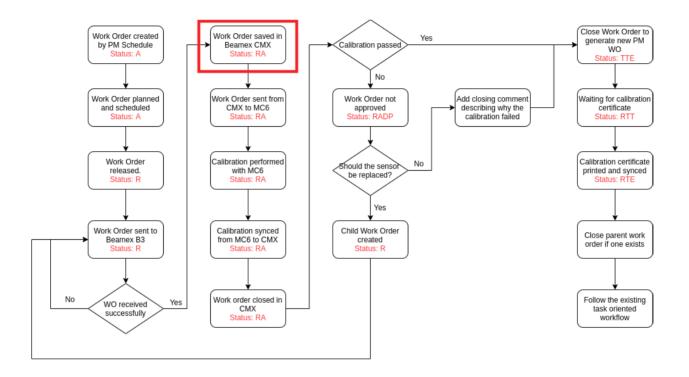
Preventive Maintenance Schedule



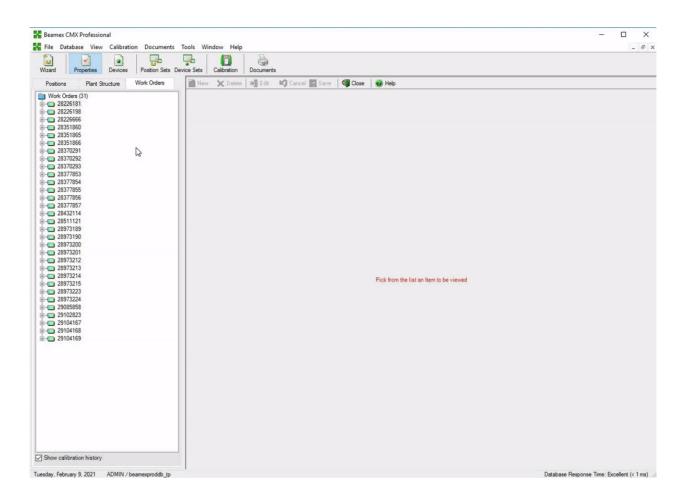
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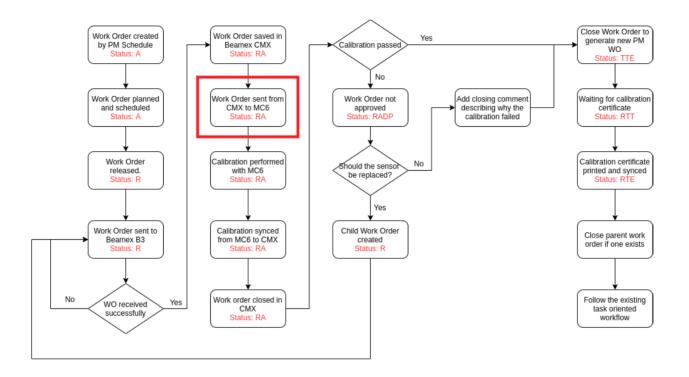




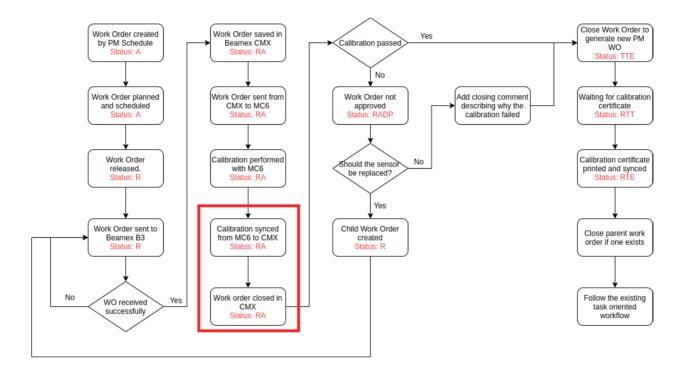


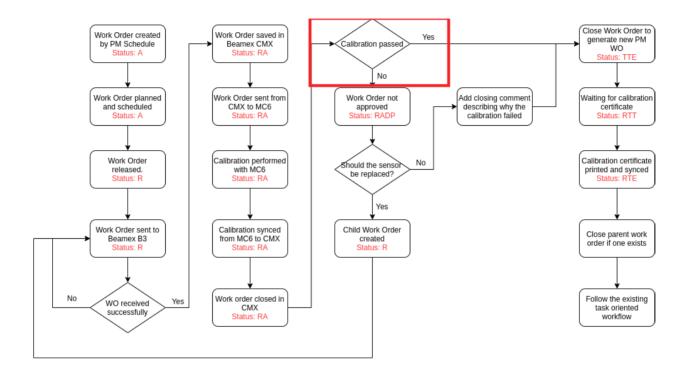
Work Orders in CMX

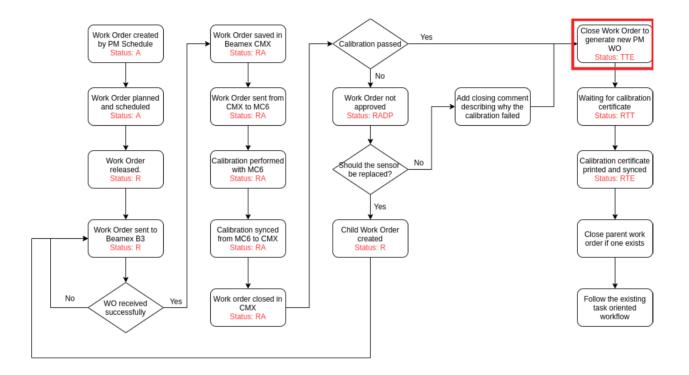


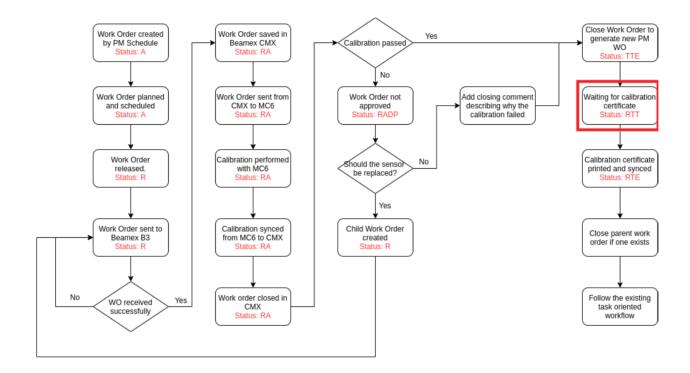


Calibration

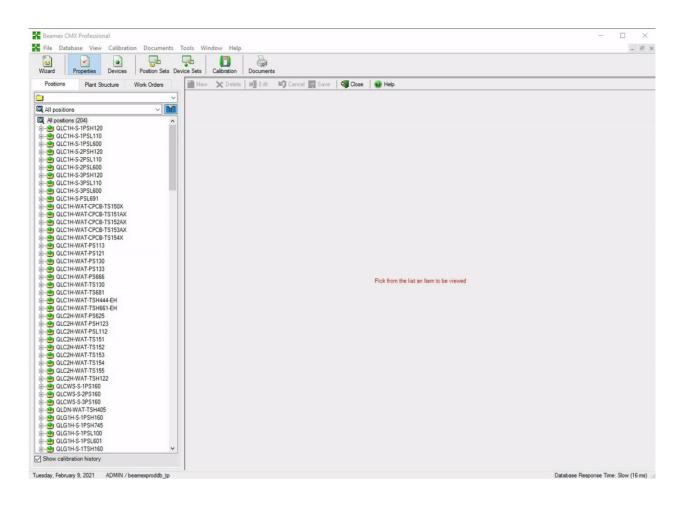


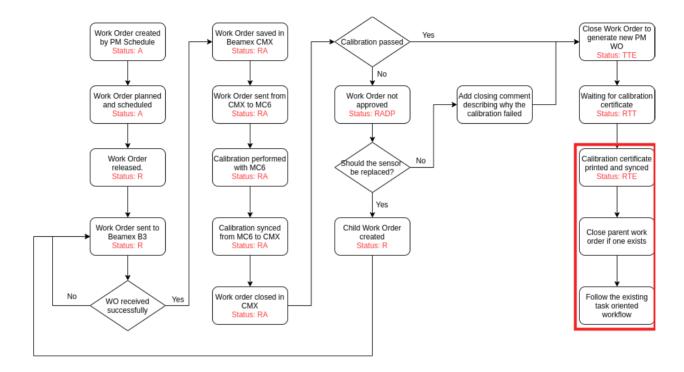




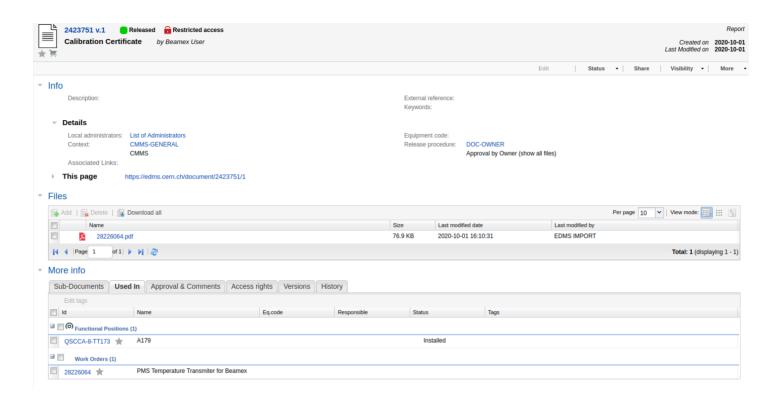


Printing Certificate

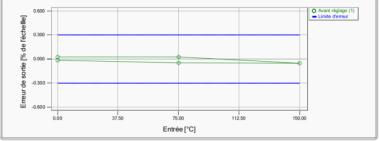




Certificate stored in EDMS



Certificat d'étalonnage Imprimé: 01/10/2020 15:46:18 Imprimé par: ADMIN CMX Version: 2.11.714.0 (2.11 Numéro de certificat Numéro d'ordre de travail: 28226064 Instrument ID instrument Numéro de série QSCCA-8-TT173 QSCCA-8-TT173 Before A179 Adsorber Nom PR 4116 Localisation Fabricant QSCCA-8/ Rangeabilité Usine Température Humidité ambiante Evénement d'étalonnage Date d'étalonnage 28/09/2020 10:33:08 Etalonnage suivant Fonction Transmetteur de température (QKITT) Fonction de transfert Linéaire 0 ... 150 °C Echelle 4 ... 20 mA Temperature Humidité ambiante Procédure d'étalonnage Date d'échéance Rejeter si erreur > 0.3 % de l'échelle Calibrateurs Entrée calibrateur MC6 : 606451 Module d'entrée TC-R-OUT/ R1 : 65888 Date d'échéance: 30/12/2020 Périodicité 1 Années Date d'échéance: 01/01/2021 Calibrateur de sortie MC6 : 606451 Module de sortie IN : 26222 Date d'échéance: 30/12/2020 Ajuster jusqu'à Erreur % du rejet d'erreur Classification Sratégie d'étalonnage Date d'échéance: 30/12/2020



1. Avant réglage CONFORME Erreur maximunm: -0.054 % de l'échellle Trouvé Erreur [% de l'échelle] Entrée Nominale [°C] Actuel Entrée [°C] Sortie Nominale [mA] Actuel Sortie [mA] 0.00 0.000 4.00 3.9977 -0.014 75.00 75.000 12.00 11.9928 -0.045 150.00 -0.054 75.00 75.000 12.00 12.0043 0.027 0.00 0.000 4.00 4.0042 0.026

Note d'étalonnage:

Etalonné par: Nicolas Calvet 28/09/2020 10:33:08

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