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Inquire – Knowledge Base Article

Product Group: IMx
Product: IMx-S
Version: N/A

Abstract

This article contains script files for Oracle and SQL that will allow the user to view and update data from 'Peak to Peak' to 'True Peak to Peak' values, when Peak to Peak readings are not accurately illustrated.

Overview

An issue may arise where IMx readings do not accurately display Peak to Peak values. Running the following script in an Oracle database will convert IMx Points from Peak to Peak values into *True Peak to Peak* values.

Value = 20501 is *Peak to Peak*

Value = 20504 is *True Peak to Peak*

```
-- View Points (Name, ElementId) are modified:

SELECT P.ElementId, T.Name
FROM   Point P inner join TreeElem T on
       T.TreeElemId = P.ElementId
WHERE  VALUESTRING = '20501' and
       FIELDID     = ( SELECT RegistrationId FROM
Registration WHERE SIGNATURE =
'SKFCM_ASPF_Detection' ) and
       ELEMENTID in
       ( SELECT P1.ElementId from Point P1 inner
join Point P2 on
              P1.ELEMENTID = P2.ELEMENTID
        WHERE  P1.FIELDID = ( SELECT
RegistrationId FROM Registration WHERE SIGNATURE
= 'SKFCM_ASPF_Input_Filter_Range' ) and
              P2.FIELDID = ( SELECT
RegistrationId FROM Registration WHERE SIGNATURE
= 'SKFCM_ASPF_Dad_Id' ) and
              P2.VALUESTRING = ( SELECT TO_CHAR
(RegistrationId) FROM Registration WHERE
SIGNATURE = 'SKFCM_ASDD_ImxDAD' )
       )

-- Update database records in Point table:

UPDATE POINT
SET    VALUESTRING = '20504'
```

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        WHERE  VALUESTRING = '20501' and
            FIELDID     = ( SELECT RegistrationId FROM
    Registration WHERE SIGNATURE =
    'SKFCM_ASPF_Detection' ) and
            ELEMENTID in
            ( SELECT P1.ElementId from Point P1 inner
    join Point P2 on
                    P1.ELEMENTID = P2.ELEMENTID
            WHERE  P1.FIELDID = ( SELECT
    RegistrationId FROM Registration WHERE SIGNATURE
    = 'SKFCM_ASPF_Input_Filter_Range' ) and
                    P2.FIELDID = ( SELECT
    RegistrationId FROM Registration WHERE SIGNATURE
    = 'SKFCM_ASPF_Dad_Id' ) and
                    P2.VALUESTRING = ( SELECT TO_CHAR
    (RegistrationId) FROM Registration WHERE
    SIGNATURE = 'SKFCM_ASDD_ImxDAD' )
            );

    COMMIT;

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```

For further assistance, please contact the Technical Support Group by phone at 1-800-523-7514 option 8, or by email at tsg-americas@skf.com.

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