

Inquire – Knowledge Base Article

Product Group: IMx; Software

Product: IMx-S; CMSW7400 @ptitude Analyst

Version: N/A; 5.0 & 6.0

Abstract

This article presents a solution to an issue where IMx readings are not accurately displaying Peak to Peak values, especially when compared to other equipment.

Overview

An issue may occur where IMx readings do not accurately display Peak to Peak values. Running the following script in Microsoft SQL Server 2005 or 2008 will convert IMx Points from Peak To Peak values into True Peak to Peak values.

The **SELECT** statement should be ran prior to the **UPDATE** statement to review which values will be updated.

```

Declare @TruePTP          Varchar(50)
Declare @PTP              Varchar(50)
Declare @FilterRangeId    Numeric(38,0)
Declare @DetectionId      Numeric(38,0)
Declare @DadId            Numeric(38,0)
Declare @DadTypeId        Numeric(38,0)

-- Get True Peak To Peak
SET @TruePTP = '20504'

-- Get Peak To Peak
SET @PTP = '20501'

-- Get Filter Range RegistrationId
SELECT @FilterRangeId = REGISTRATIONID FROM
REGISTRATION WHERE SIGNATURE =
'SKFCM_ASPF_Input_Filter_Range'

-- Get Filter Range RegistrationId
SELECT @DetectionId = REGISTRATIONID FROM
REGISTRATION WHERE SIGNATURE =
'SKFCM_ASPF_Detection'

-- Get DadId RegistrationId
SELECT @DadId = REGISTRATIONID FROM REGISTRATION
WHERE SIGNATURE =
'SKFCM_ASPF_Dad_Id'

```

```
-- Get IMx RegistrationId
SELECT @DadTypeId = REGISTRATIONID FROM
REGISTRATION WHERE SIGNATURE =
'SKFCM_ASDD_ImxDAD'

SELECT P.ElementId, T.Name
FROM Point P INNER JOIN TreeElem T on
T.TreeElemId = P.ElementId
WHERE P.VALUESTRING = @PTP and
      P.FIELDID      = @DetectionId and
      P.ELEMENTID in
      (SELECT P1.ElementId FROM Point P1 INNER
JOIN Point P2 on
      P1.ELEMENTID = P2.ELEMENTID
      WHERE P1.FIELDID = @FilterRangeId and
      P2.FIELDID = @DadId and
P2.VALUESTRING = Cast( @DadTypeId as
varchar(10))
      )

UPDATE Point
SET VALUESTRING = @TruePTP
WHERE VALUESTRING = @PTP and
      FIELDID      = @DetectionId and
      ELEMENTID in
      (SELECT P1.ElementId FROM Point P1 INNER
JOIN Point P2 on
      P1.ELEMENTID = P2.ELEMENTID
      WHERE P1.FIELDID = @FilterRangeId and
      P2.FIELDID = @DadId and
P2.VALUESTRING = Cast( @DadTypeId as
varchar(10))
      )
```

The Peak to Peak values have been converted into *True Peak to Peak* values.

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.