

Calibration Certificate

Digital Yewflo

Device Data

Product Name: **Digital Yewflo**
 Model Code: **DY080-ECLBA1-4D /X1/KF1/SCT/FPC**
 Order No: **4500352688**
 Serial No Detector: **300599/001/01**
 Serial No Converter:
 Tag No Detector: **48FRQ060**
 Tag No Converter:
 Measuring Range: **1,5 kg/s**
 Inner Diameter: **71,0 mm**

Calibration Information

Calibration Method: **Reference Meter**
 Calibration No: **300599/001/01 - 1**
 Test Unit Id No: **T 201**
 Uncertainty of Ref: **< 0.25 % of rate**
 Ambient Conditions: **23 °C , 48% r.H.**
 Medium: **Water**
 Temperature: **26,8 °C**
 Density: **0,997 kg/l**
 Viscosity: **0,858 mPas**

Actual Flow Test

Reference	Digital Yewflo					Specification
Qv	ReynoldsNo	Flow Veloc.	Flow Coeff.	Mean Coeff.	ErrorDevice	Error max
m3/h	Re * 1000	m/s	P/L	P/L	+-% o.r.	+-% o.r.
14,284	83	1,00	3,206	3,224	-0,6	+/-0.75
28,432	165	2,00	3,219		-0,2	+/-0.75
56,930	330	4,00	3,231		+0,2	+/-0.75
77,785	451	5,46	3,242		+0,6	+/-0.75

Note: $Velocity = Re * n / d / D / 1000$ with n =dynamic viscosity, d = water density, D = Inner Diameter of DY

Result Mean Flow Coefficient: 3,2262 P/L

The Meter was calibrated according to all applicable Yokogawa Quality Inspection Rules. The calibration result is within all specified limits.

Date 05.10.2006



Inspector

RYG 072

05. OKT. 2006

Remark: The calibration results are obtained by means of the applicable calibration procedure. The calibration data are based on the pulse output of the device. The RYG Calibration Facility is traceable to the National Standards and certified by the German National Standard Authority Physikalisch-Technische Bundesanstalt (PTB). Rota Yokogawa is member of the German Calibration Service (DKD)