



KALIBRERINGSCERTIFIKAT FÖR BANDVAGN

BV0610

Bandvagn nr: BV0610
Datum för kalibrering: 2021-07-05
Kalibrerad av: Christian Berg

Sign.

A handwritten signature in blue ink, appearing to read "Christian Berg", written over a horizontal line.

Vridmoment kraft

Kraftgivare 0-1 kN

Kraftgivare 0-50 kN

Kraftkonstant: 1,10

Maxkraft: 37,312 kN vid 0 Bar

Systemtryck normalt 210-220 Bar, med Ls-system 240 Bar

Djupmätare

1 meter= 1 m

H/V-givare

Ventilsida: 20 H/V = 20 H/V

Kogersida: 20 H/V = 20 H/V

Kompenserat vridmoment

Göteborg:2021-03-19

CALIBRATION CERTIFICATE FOR CPT PROBE 4263 Bilaga 1:2

Probe No 4263
 Date of Calibration 2021-03-19
 Calibrated by Alexander Dahlin.....
 Run No 1635
 Test Class: ISO 1

Point Resistance Tip Area 10cm²

Maximum Load 50 MPa
 Range 50 MPa
 Scaling Factor **1359**
 Resolution 0,5614 kPa
 Area factor (a) 0,865

ERRORS

Max. Temperature effect when not loaded 8,416 kPa
 Temperature range 5 –40 deg. Celsius.

Local Friction Sleeve Area 150cm²

Maximum Load 0,5 MPa
 Range 0,5 MPa
 Scaling Factor **3698**
 Resolution 0,0103 kPa
 Area factor (b) 0

ERRORS

Max. Temperature effect when not loaded 1,587 kPa
 Temperature range 5 –40 deg. Celsius.

Pore Pressure

Maximum Load 2 MPa
 Range 2 MPa
 Scaling Factor **3565**
 Resolution 0,0214 kPa

ERRORS

Max. Temperature effect when not loaded 0,32 kPa
 Temperature range 5 –40 deg. Celsius.

Tilt Angle. Scaling Factor: 0,94

Range 0 - 40 Deg.

Backup memory
Temperature sensor
Conductivity probe



Specialists in
Geotechnical
Field Equipment

DECLARATION OF CONFORMITY & CALIBRATION SHEET

Type:	GT-40	Name:	Multipurpose Gamma Analyzer
Model:	GT-40	Calibration Date:	Jan 11, 2021
Serial number:	0056	Calibration Cycle:	2 Years
Year of manufacturing:	2017	Due Date:	Jan 11, 2023

Received condition:	Within tolerance ☒	Not within tolerance ☐	New product ☐
Action taken:	None taken ☒	Adjusted ☐	Repaired ☐
Completed condition:	Full calibration ☒	Limited use ☐	Custom ☐
Environmental conditions:	Local background: 120 nSv/h Temperature: 22 °C Humidity: N/A		
Remarks:			

Standards to which Conformity is declared:

CE Conformity	EU Directive 204/108/EC-EMC, IEC 1017-1, IEC 1017-2, IEC1000-4-2, IEC 60846:2002, EN 50082-2, EN 55011, EN 55022, EN 61000-3-2(-3), EN 61000-4-2(-11)
Other Directives and Standards	Applicable in the Czech Republic, Act No. 22/1997, Act No. 505/1990, Gov. Order 169/1997, Decree of the Czech Labour Safety Board No. 48/1982, Decree of Nuclear Safety Board No. 184/1997

We, the undersigned, hereby declare that the equipment specified above conforms to the above Directives and Standards, and was calibrated conform to the "GT-40 Sub-assemblies and System test procedure" PP_VY_10, Rev.3, using calibration PADs certified by Geological Survey of Sweden.

System Final Test					
Sensitivity Test Jig:	Th-232	N/A	Cs-137	N/A	BG 287 cps
Search Mode Test:	Audio: OK	Display: OK	Backlit: OK	USB: OK	GPS: OK

Dose Calibration: Not calibrated! The unit is not a Dose meter!

Note: Displayed Dose rate, or Ambient dose equivalent rate H^* (10), is computed from measured spectrum to size up the Total Gamma-ray Activity of measured rock. Numbers are valid for not shielded detector only.

Assay Calibration:

Calibration was performed using reference PADs of Geological Survey of Sweden located at Borlange.

Methods:

1. **K_U_Th_SWE** – Infinite flat rock outcrop, minimum rock layer 30 cm, standard measuring time 300 s
2. **Hole_K_U_Th_SWE**– N/A

Assay Test: K_U_Th_SWE Method, 300 s

Pad	K (%)		U (ppm)		Th (ppm)		Cs-137 (kBq/m ²)	
	nom	meas	nom	meas	nom	meas	nom	meas
	7,5	7,2	24.8	24,2	49.1	47,6	N/A	N/A

Brno, Jan 11th, 2021



Quality Assurance: Ivan Kaspárek

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Uppdragsnr.: 22014
Datum: 2022-03-04