



HRVATSKI CENTAR ZA NERAZORNA ISPITIVANJA - Centar za certifikaciju
CROATIAN CENTRE FOR NON-DESTRUCTIVE TESTING - Certification body
HR-10000 ZAGREB, Ivana Lučića 1 ■ HRVATSKA / CROATIA



akreditiran od Hrvatske akreditacijske agencije - HAA prema zahtjevima norme HRN EN ISO / IEC 17024:2013
za certifikaciju osoba za nerazorna ispitivanja, broj potvrde: 5517
accredited by the Croatian Accreditation Agency - HAA according to HRN EN ISO / IEC 17024:2013
for certification of non-destructive testing personnel, Acc.Cert.No. 5517

CERTIFIKAT CERTIFICATE

Broj certifikata:
Certificate No.: **D17 C09 17-UT2R 0413**

Valjanost certifikata do:
Validity of Certificate up to: **11.09.2022.**

Ime i prezime:
Name and Surname: **DRAGAN ĆURIN**

Osobni identifikacijski broj:
Unique Personal Identification Number: **31397529797**

Mjesto i datum rođenja:
Place and Date of Birth: **Split, 20.12.1976.**

potvrđuje se kompetentnost certificirane osobe u skladu sa zahtjevima norme HRN EN ISO 9712:2012 za:
confirms the competence of certified person in accordance with the requirements of standard HRN EN ISO 9712:2012 for:

Metodu nerazornog ispitivanja: **ULTRAZVUČNA METODA** **UT** Stupanj: **2R**
Non-Destructive testing method: **ULTRASONIC TESTING** Level:

A	B	C	D	E	PED	c	f	wp	t	w
-	x	-	-	-	x	-	-	-	x	x

Ograničenja / Napomene: **vrijedi samo za mjerenje debljine**
Limitations / Notes: **valid only for thickness measurements**

Uvjeti za certifikaciju stečeni su temeljem:

11.09.2017.

(re)kvifikacijskog ispita (datum)
(re)qualification exam (date)

Certification requirements have been fulfilled upon:

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obnove valjanosti (datum)
renewal (date)

A Proizvodnja / Manufacturing

B Ispitivanje opreme, uključujući i proizvodnju
Pre and in-service testing of equipment, which includes manufacturing

C Željeznica / Railway maintenance

D Zrakoplovstvo / Aerospace

E Brodogradnja / Shipbuilding

PED Kompetencija za ispitivanje trajnih spojeva na tlačnoj opremi (u skladu sa zahtjevima PED 2014/68/EU i važeće nacionalne regulative).
Certified person is competent for examination of permanent joints on pressure equipment (in accordance with PED 2014/68/EU and valid national regulations).

c odjevci / castings

f odličci / forgings

wp vučeni proizvodi / wrought products

t cijevi (bešavne, zavarene, uključujući ravne proizvode za izradu zavarenih cijevi)
tubes and pipes (seamless, welded, including flat products for manufacturing of welded pipes)

w zavareni spojevi / welded joints

Potpis certificirane osobe:
Signature of Certificate Holder:

Mjesto i datum izdavanja:
Place and Date of Issue:

Zagreb, 17.09.2017.



Potpis osobe odgovorne za certifikaciju:
Signature of Authorised Person for Certification:

B. Šeparović

Branko Šeparović, dipl.ing.

Valjanost certifikata moguće je provjeriti na www.ceni.hr

Validity check of this certificate is possible on www.ceni.hr

#3

CeNi-C01-19/06



Contract No / Job No :	2956
Customer Order No :	BB/10.01.2018.
Name of Engineer :	

Contract inspection	
Inspection	X
Measurements made on request	
Repair	X

Service Center

1 Voltage supply	operating voltage cycle voltage power consumption	+	9 Gain control:	delay/setting autom. gain control gain limitation threshold (ampl./interface/BW-echo) V-path correction	+
2 Voltage supply indicator : LED/LCD-indication	batt.-instrument	+	10 Coupling control indicator		+
3 Batt.-indicator:	LED/LCD-indication batt.-instrument	+	11 Display ranges:	CL 3 DL 0.00-99.99 mm CL 204 0.000-99.99 mm CL 204 1800-8000 m/s DM 1/DM 2 0.0-99.9 mm DM 3 000.0-300.0 mm DM 4 0.00-99.99 mm DMS 2TC 000.0-635.0 mm DME 0.0-99.9 mm	+
4 Battery-charge:	charge voltage charge current		12 Overflow indicator		+
5 Automatic battery cut-off		+	13 Linearity control at 20-25 °C:	with standard probs and reference blocks	+
6 Switch functions:	ON-OFF switch/key scale illumination probe selection quartz switch inch/mm selection velocity/thickness/switch velocity range/switch intern.mode/switch range/switch cursor control	+	14 Computer interface: see protocol		+
7 Autom. range-select. depends on probe cable			15 General condition:	housing display switch/knops LED/LCD display probe socket charge socket battery box/connection inside / oxidation	+
8 Controls:	zero-point control velocity control mat. Cal. control cont. zero control	+	16 Batteries	charge condition	+
			17 Accessories:		

10/2/2011

ZAGREB
 Place of inspection
Krauthämer Danijel
 Authorized by Krauthämer GmbH & Co.
 10.01.2018.
 Date
 ELEKTRONIČKI SERVIS KRAUTHÄMER
 Cent za serviranje i ugradnju električnih napajanja
 i. Danijel Štefanić
 ZAGREB, Glavnična avenija 204
 OIB: 96861976175
 Stamp

Remarks			
Probe DA401, 212			
Reference NXIV			
Copy	2	/Customer	1
Sheet :	1	of :	1

Kraußrämmer GmbH & Co.
Service Center (Repairs/Spares)
Phone: 05 93 33 60 11 11

Robert-Bosch-Straße 3 • D-5030 Hürth 5 (Eiffelen)
Telefon: 888 1623 nach 4 • Telefax: 8 01 6 07

Germany



POTVRDA O ODOBRENJU USLUŽNE TVRTKE
CERTIFICATE OF APPROVAL OF THE SERVICE SUPPLIER

Br / 01-011923/018422

Potvrđuje se da je ova uslužna tvrtka odobrena u skladu s Pravilima za klasifikaciju brodova, Dio 1. – Opći propisi, Odjeljak 4. – Odobrenje proizvođača i uslužnih tvrtki.
This is to certify that this service supplier is approved on the basis of the Rules for the classification of ships, Part 1 – General Requirements, Chapter 4 – Approval of manufacturers and service suppliers.

TVRTKA:
FIRM:

HARMONY TRADE D.O.O.

Kukuljevićeva 5, 21000 SPLIT, HRVATSKA - CROATIA

PODRUČJE ODOBRENJA:
FIELD OF APPROVAL:

MJERENJE DEBLJINA ELEMENATA BRODSKIH KONSTRUKCIJA
(ZA BRODOVE MANJE OD 500 GT, KOJI NISU ESP BRODOVI).

THICKNESS MEASUREMENTS OF HULL STRUCTURE (FOR NON-ESP SHIPS LESS THAN 500 GT).

ODOBRENJE 2018-01-16
APPROVAL 2018-01-16

Split, 2017-01-17
Potpis – Signature

Marinko Popović, dipl.ing.