

infraTest GmbH • Wiesenbachstr. 15 • 74336 Brackenheim

Universidade Federal do Rio Grande do Sul
UFRGS, CNPJ 92.969.856/0001-98
Av. Paulo Gama, 110
BR CEP 90040-060, Porto Alegre, RS

Proforma Invoice

Nr. 241037 - 11903 Seite 1 10.03.2025
Herr Friedrich Tel.: -272
E-Mail: J.Friedrich@infraTest.net

Prezados,

obrigado pelo vostro interesse em nossos produtos. Segue a proposta requerida:

RING AND BALL

1	20-22000B	1 Set	7.579,00	7.579,00
	Automatic Ring and Ball Tester Bundle			
	cust.t.n.. 90318080 country DE			
	EN 1427 - ASTM D36 - AASHTO T53 - GOST 11506-73			
	For determination of the Softening Point of Bitumen.			

With glass-ceramic plate, halogen radiator for heating and magnetic stirrer with adjustable speed built-in underneath. Operation is via a touch panel. A microprocessor-controlled regulation with continuous temperature measurement in the beaker ensures a standard-compliant temperature rise of 5 K/min. The temperature rise can be monitored in real-time on the touch display. The passage of the balls is detected by a light barrier on the right and left and the respective temperature value is displayed digitally. At the same time, the difference between sample 1 and 2 is output. The test data is stored in an internal protocol and can be called up at any time in the unit or transferred via a USB interface.

Three test modes can be preselected, one for water from 30 to 80° C and one for glycerol from 80 to 150° C. Besides, we offer an optional test procedure for silicone oil from 80 to 200°C. Device complete with beaker 600 ml, stirring rod and insert frame with 2 test rings, test balls and 2 ball centring devices. The user languages are German, English and French.

Dimensions approx.: 290 x 580 x 380 mm
Weight approx.: 17 kg



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Electric data: 230 V, 50/60 Hz, 0.7 kW

Bundle composed by:

20-22000 Automatic Ring and Ball Tester
20-22150 Ring and Ball Test Frame to 20-22000
20-2125 x10 Test Ring shouldered type
20-2135 x10 Test Ball 9,5 mm dia.
20-2140 Sample Preparation Plate
20-2145 Sample Cutter
20-21420 Sample Plate
20-2150 x3 Glass Beaker 600 ml

NCM: 9031.80.99

Peso Bruto: 80 kg (aprox.)

Peso Líquido: 24 kg (aprox.)

Caixa de Madeira Automático de Anel e Bola
#1 Caixa de madeira, 75x55x70 cm (aprox.).

Prazo de entrega: 16-20 semanas após a aprovação formal do pedido

Termos ou Condições de Venda: EX-WORKS packed Brackenheim*

Validade da oferta: 90 dias

Modalidade de entrega e valor não inclusos.

2 anos de garantia apenas para defeitos de fábrica como descrito no parágrafo n.º 434 da nossa ff BGB.

Estamos à disposição para esclarecer eventuais dúvidas e aguardamos o seu contato! Atenciosamente,

Diego Menegusso; Ph.D. in Civil Systems Eng.

infraTest
Prüftechnik GmbH

Payment Terms

Cash in advance

Total net	EUR	7.579,00
VAT 0.00		0.00

Total Amount	EUR	7.579,00
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GF: Matthias Martus, Stefan Dräger
Amtsgericht Stgt. HRB Nr. 320385
USt-IdNr.: DE 144995701
WEEE-Reg.-Nr.: DE33225851
EORI Nr. DE4047273

Deutsche Bank AG Ludwigsburg
IBAN: DE25 6047 0082 0032 9334 00
BIC (Swift-Code): DEUTDESS604

Commerzbank AG Heilbronn
IBAN: DE07 6204 0060 0318 4777 00
BIC (Swift-Code): COBADEFFXXX

Volksbank im Unterland
IBAN: DE05 6206 3263 0046 2220 06
BIC (Swift-Code): GENODES1VLS

Kreissparkasse Heilbronn
IBAN: DE25 6205 0000 0000 3919 46
BIC (Swift-Code): HEISDE66XXX

