DEFECTOMAT CI 2.812

Attachment to brochure (replaces leaflet)
Order No 1866532 08/2008

Technical Data

Housing	
Dimensions	19“, H x W x D = 177 x 437 x 520 mm
	mountable in 19“ cabinets
Enclosure	IP 53
Colour	RAL 7035
Power supply	90 – 265 V, 50 – 60 Hz, 180 VA
Weight	14 kg
Permitted ambient temperature	+5 to +40° C
Relative humidity	Max 85 %, condensation not permitted
Display	8.4“ TFT (640x480) VGA connector for external monitor
Operation	One-hand-operation by hand-wheel even for text input, additional keyboard and mouse as option
Operation protection	5 different operation levels by password access
Dialogue language	English or German, other languages loadable
Online help	Context-sensitive help
Customizing by makros (option)	for special automatic operation sequences
One Sensor connection	all FOERSTER coil types and probes possible, non-FOERSTER sensors via external adapter
Excitation voltage	10 V_{rms}, output resistance 7.5 Ω
Test frequency	12 steps: 1,3,6,10,12,15,20,30,60,100,300,1000 kHz
1st Test channel	
Differential channel	
Signal coupling	dynamic
Filter	LP and HP filter with 25 steps 1 Hz to 16 kHz and auto speed shift filter
Gain	Max. Dynamic range: 111 dB Lf: 0.0 to 71.9 dB in 0.1 dB steps Power amplifier: 10 dB fix Hf: 30 dB fix
Phase	0 to 359° in 1° steps
Signal evaluation mode	Vector, Y-component or sector, max. 3 sectors with same trigger thresholds
Trigger threshold	2 thresholds 10 to 100 % in 1 % steps

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2nd Test channel as option:	
• Differential channel as above	for 2 frequency testing
• Absolute channel	
Signal coupling	static
with independant frequency	
with manual zero compensation	
with automatic zero tracking	
individual evaluation settings	
• FERROMAT channel	for ferrous inclusion detection
individual evaluation settings	
Signal display	• Motion-synchronous record of 1 or 2 channels • Realtime scope with freeze and capture function
Test procedures	Piece testing, cutting or virtual cutting with section evaluation for long pieces (e.g. coils)
Special test evaluation	Event accumulation EVAC according to EN 1971

Test Classification	• Without section evaluation:
	  • 3 sorting classes by 2 limits for the number of defects or defective length independant for each channel,
	  • including sorting FIFO
	• with section evaluation:
	  • 3 section qualities by 2 limits for the number of defects or defective length independant for each channel,
	  • 3 rod qualities by limits for the number of section qualities

Listings	• Setting library with one file per setting • Report list for all test requests and piece reports in XML format (compatible to internet explorer) • Parameter list configurable • Message list for all events (errors warnings, etc.)
Interfaces	
Marking	Up to 4 marking outputs individually configurable
Analog output	Provides analog test signal for each test channel
Line Signals	10 opto-coupled inputs, 10 opto-coupled outputs
Line speed	0.005 to 150 m/s internal or external
Ethernet	Connection to a 100 Base-T network
Remote Control (option)	via Ethernet interface
Remote service	with modem via internet or telephone line
2 USB connectors	• for printers Windows® driven • external storage devices e.g. memory stick