



CAPMES for Car position measurement | ROVIS

<i>CONTENT</i>	OPERATOR	MAINTAINER	EXPERT
INTRODUCTION TO IMAGE PROCESSING	X	X	X
MEASURING PRINCIPLE OF POSITION MEASUREMENT	X	X	X
USER INTERFACE	X	X	X
USER ADMINISTRATION		X	X
STRUCTURE OF THE SYSTEM, CONTROL CABINET	X	X	X
CAMERAS AND LAMP ARRANGEMENT	X	X	X
INTERFACES		X	X
DATA STRUCTURE		X	X
OUTPUTS/LOG FILES	X	X	X
INTERPRETATION OF ERROR OUTPUTS	X	X	X
DATA BACKUP		X	X
PROGRAMMING THE SOFTWARE			X
STRUCTURE OF THE DATA TREE			X
PROGRAMMING INTERFACE			X
TEACHING AND PARAMETERISATION			X
PARAMETERISING DETECTION MODELS			X
SETTING LIMIT VALUES AND OFFSETS		X	X
FAULT DETECTION USING LOG FILE ENTRIES AND FAULT IMAGES	X	X	X
SHOWING THE MEASURING POINTS ON THE REAL OBJECT	X	X	X
CARRYING OUT A MANUAL MEASUREMENT	X	X	
ERROR DIAGNOSIS / INTERPRETATION OF ERROR IMAGES	X	X	
CLEANING THE PROTECTIVE GLASS ON THE CAMERA AND LAMP HOUSING	X	X	
REPLACEMENT OF LUMINAIRES AND LAMPS		X	
CALIBRATION (ADJUSTMENT OF ISRA SYSTEM AND ROBOT)		X	X
POSITION AND ATTACHMENT OF THE CALIBRATION PANEL(S)		X	X
CHECKING A CALIBRATION		X	X
CALIBRATION WITH LIVE IMAGE		X	X
ZERO MEASUREMENT WITH ROBOT AND ISRA SYSTEM		X	X

Order number	Description	
CPM.RO.01	Operator	One-day course, max. 5 participants
CPM.RO.02	Maintainer	Two-day course, max. 5 participants
CPM.RO.03	Expert	Three-day course, max. 5 participants