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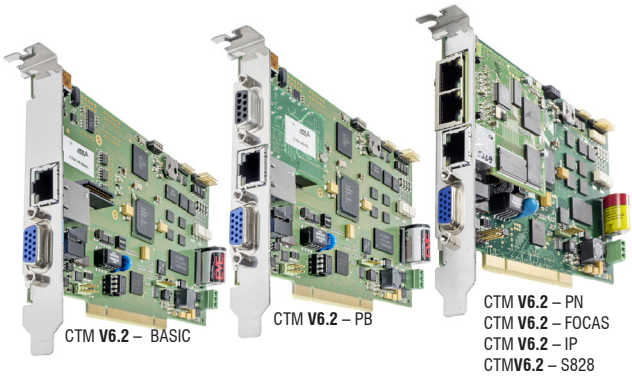
ARTIS

Overview

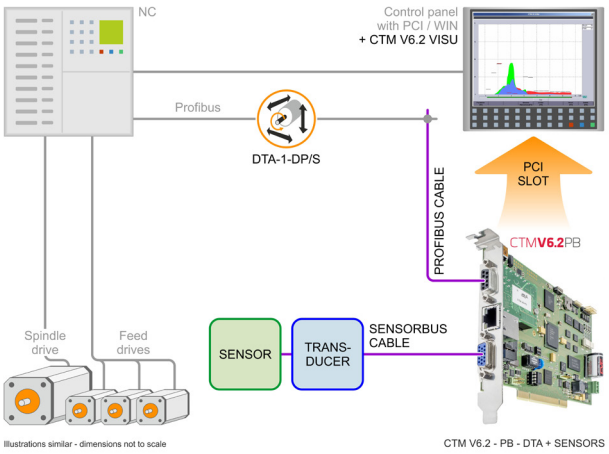
CTM**V6.2**

TOOL AND PROCESS MONITORING SYSTEM



Properties

- Monitoring system for machine tools in serial production
- Flexible interface concept: Profibus, Profinet, Focas, Ethernet IP
- Independent of controls and manufacturers
- Different monitoring options
- Process documentation
- Process optimization



Application example

CTM**V6.2** – PB, sensorless retrieval of process data directly from the control core via DTA (Digital Torque Adapter)

Functionalities

MONITORING METHODS	
STANDARD	Breakage-, missing-, overload- and wear*-monitoring
SAS	Additional: selection of monitoring segments
DX/DT	For long machining processes or small lot sizes
GEAR HOBBING*	Early wear detection
FLUID STRATEGY*	For deep hole processing
VISUALIZATION	
VISUALIZATION IN 4 CHANNELS	Process, limits, learn data
CONFIGURATION	Operation assistance, menus for automatic and manual adjustment of limits
SCALING*	Display of absolute values, e.g. Nm
MULTI LINGUA	Includes 7 languages (German, English, French, Italian, Portuguese, Spanish, Dutch)
OPT. FURTHER LANGUAGES	Scandinavian, Eastern European languages, East Asian languages
DOCUMENTAION* **	
DATA RETRIEVAL	Recent processes alarms and events
STATISTICS* WITH AUTOMATIC FUNCTION	Data collection (recent processes, recent alarms)
PROcESS-DOCUMENTATION **	Data collection, measuring data
SCREENSHOT-FUNCTION	Selective saving of current visualizations
OPTIMIZATION	
AC ADAPTIVE CONTROL **	Feed control for constant load and reduction of cycle times
OPTIMIZATION OF TOOL LIFE	By means of wear monitoring*

Legend: * *optional additional features*
** *available with PROFIBUS, PROFINET, FOCAS, ETHERNET IP*
*** *optimal functional reliability depends on CPU- and network load*

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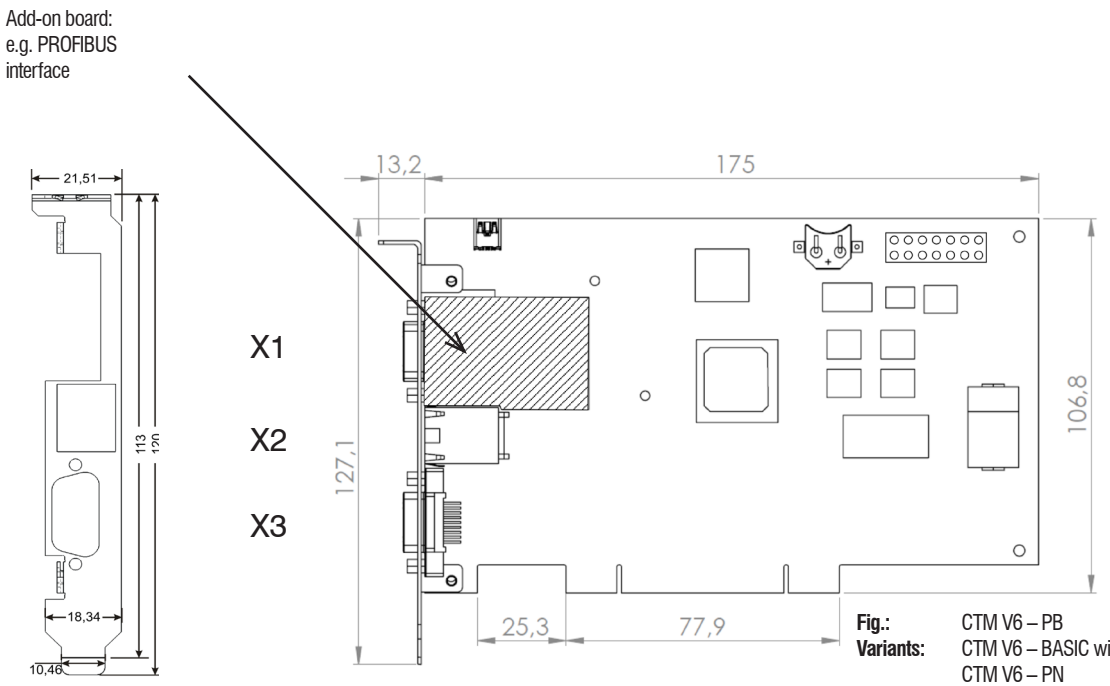

Fig.: CTM V6 – PB
Variants: CTM V6 – BASIC without add-on board
CTM V6 – PN
CTM V6 – FOCAS
CTM V6 – IP
CTM V6 – S828

		CTM**V6.2** – XX	
DIMENSIONS		Euro format PCI card 110 x 180 mm	
WEIGHT(KG)		BASIC 0,141	PB 0,160
		FOCAS, IP, PN, S828 0,172	
OPERATING TEMPERATURE		0 ...+55 °C	
CURRENT CONSUMPTION		850 mA (nominal 5 V)	
HIGH STARTING CURRENT		up to 3 A (max. 3 ms)	
SAVING OF PROCESS DATA		1 GB for recording 4h/channel overall monitoring time, learn cuts included	
INTERFACES	X2	Ethernet TCP/IP (visualization)	
	X3	ARTIS sensor bus ASB	
	X4	4 x dign-IN, 4 x dig.-OUT via CTM BX-2-IO	
SYTEM REQUIREMENTS		**Note!** High CPU load or network overload might influence the function of the software. For optimal functional reliability, close all unsused applications and – if applicable – use a separate network.	
PCI SLOT		1 free PCI slot	
WINDOWS OP. SYSTEM (other operating systems upon request)		WIN XP (SP3) / WIN7 / WIN8 / WIN10 (32/64 bit)	

FREE MEMORY SPACE	> 100 MB
CONFORMITY	CE, UKCA
	Interface variants
	CTM V6.2 – BASIC
CODE	O830Z410035
FIELDBUS CONNECTION X1	none
	CTM V6.2– PB
CODE	O830Z410036
FIELDBUS CONNECTION X1	PROFIBUS
	CTM V6.2 – PN
CODE	O830Z410037
FIELDBUS CONNECTION X1	PROFINET
	CTM V6.2 – FOCAS
CODE	O830Z410039
FIELDBUS CONNECTION X1	FOCAS
	CTM V6.2 – IP
CODE	O830Z410038
FIELDBUS CONNECTION X1	ETHERNET IP
	CTM V6.2 – S828
CODE	O830Z410040
FIELDBUS CONNECTION X1	S828-PROFINET

For a full list of address locations, please consult the Marposs official website

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Marposs has an integrated system for Company quality, environmental and safety management, with ISO 9001, ISO 14001 and OHSAS 18001 certification.

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