CTM V6
TOOL AND PROCESS MONITORING SYSTEM

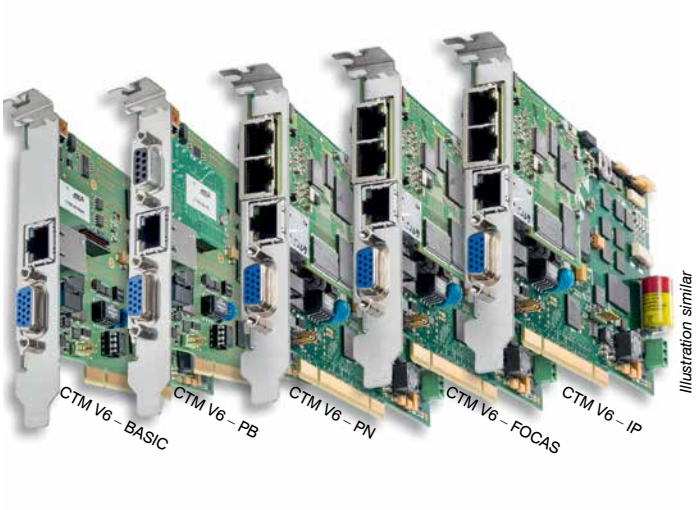

Illustration similar

Special Features

- 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

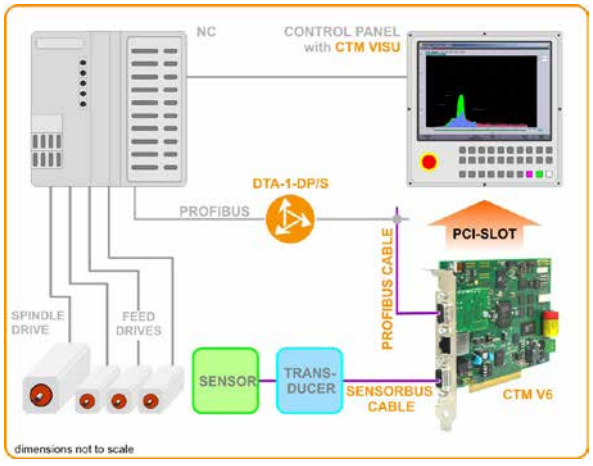

Illustration similar

Application sketch: CTM V6 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: choice 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 lingual	Includes 7 languages (German, English, Italian, Portuguese, Spanish, Dutch)
Further language packages* optional	Scandinavian, Eastrern European languages, East Asian languages
Documentation* **	
Data retrieval	Recent processes, recent alarms, recent 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 tool load and reduction of cycle times
Optimization of tool life	By means of wear monitoring*

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

Tool and Process Monitoring System

CTM V6

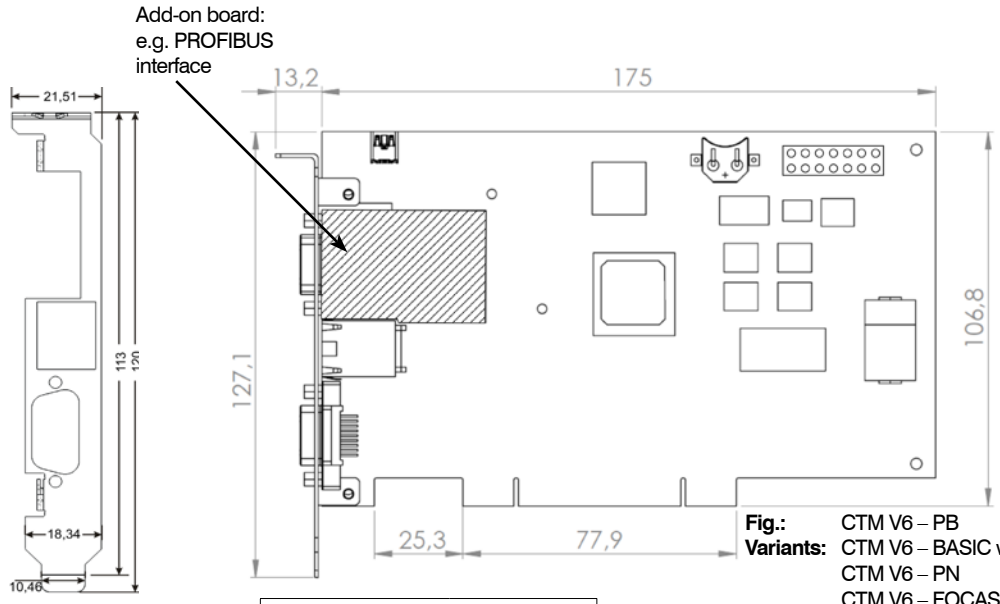

Fig.: CTM V6 – PB
Variants: CTM V6 – BASIC without add-on board
CTM V6 – PN
CTM V6 – FOCAS
CTM V6 – IP

CTM V6 XX Technical data				
Dimensions	Euroformat PC card 110 x 180 mm			
Weight (kg)	**BASIC**	0.141	**PB**	0.160
	FOCAS, IP	0.172	**PN**	0.171
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			
X3	ARTIS sensor bus ASB			
X4	4 x dign-IN, 4 x dig.-OUT via CTM BX-2-IO			
Min. system requirements	**Note!** High CPU load or network overload might influence the function of the software. For optimal functional reliability, close all unused applications and – if applicable – use a separate network.			
PCI slot	1 free PCI slot			

Windows operating system (other operating systems on request)	WIN XP (SP3) / WIN7 / WIN8 / WIN10 (32/64 bit)
Free space on hard disc	> 100 MB
Conformity	CE

	Interface variants
	CTM V6 – BASIC
Code	O830Z410007
System connection X1	none
	CTM V6 – PB
Code	O830Z410008
System connection X1	PROFIBUS
	CTM V6 – PN
Code	O830Z410016
System connection X1	PROFINET
	CTM V6 – FOCAS
Code	O830Z410018
System connection X1	FOCAS
	CTM V6 – IP
Code	O830Z410009
System connection X1	ETHERNET IP

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

ODN6419EN03 – *Edition 11/2017 – Specifications are subject to modifications*

Marposs has an integrated system to manage the Company quality, the environment and safety, attested by ISO 9001, ISO 14001 and OHSAS 18001 certifications. Marposs has further been qualified EAQF 94 and has obtained the Q1 Award.

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