

## Special Features

- Digital charge amplifier for piezoelectric sensors
- Signal output  $\pm 10$  V
- All signal in- and outputs galvanically insulated
- Ethernet interface
- Compact and sturdy design
- Degree of protection IP65
- Pre-configured measuring range
- Measuring scope ranges 50 to 600.00 pC



Illustration similar

## PIEZOELECTRIC MEASURING AMPLIFIER

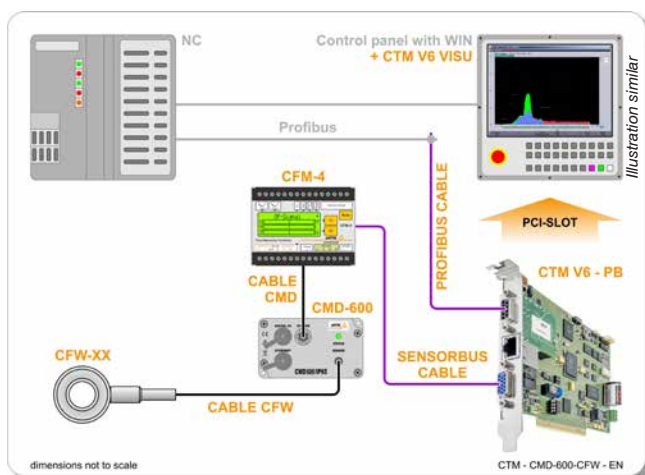


Illustration similar

Application example:  
**CMD-600** and CFW-XX sensor with the CTM Tool and Process Monitoring System

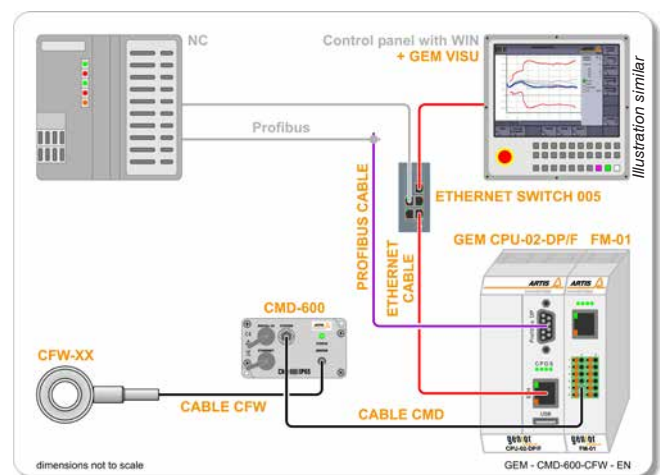
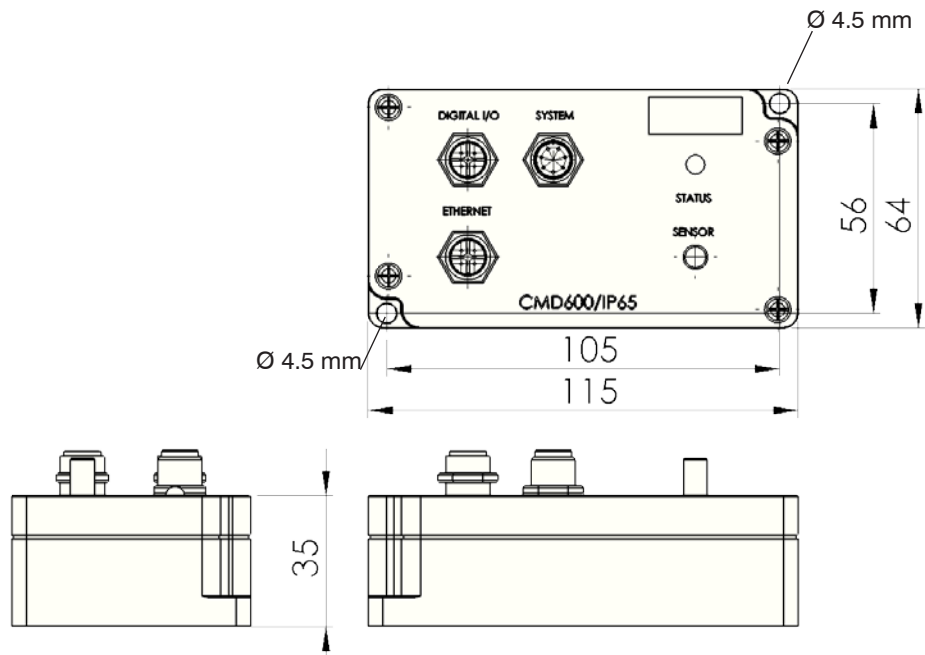


Illustration similar

Application example:  
**CMD-600** and CFW-XX sensor with the GENIOR MODULAR Tool and Process System

# Piezoelectrical measuring amplifier

## CMD-600

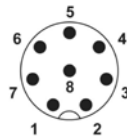


### CMD-600 O830Z712018

Dimensions	see drawing										
Weight	0.382 kg										
Material	Die-cast aluminum										
Degree of protection	IP65										
Operating temperature	0 – +60 °C										
Installation	Screw connection, 2 screws M 4 x 15										
Voltage supply	24 V DC (18 V – 30 V)										
Current supply	approx. 160 mA										
Output voltage	± 10 V										
Output current	10 mA										
Measuring frequency range	<table border="0"> <tr> <td>50 – 60.000 pC</td> <td>0 – 30 kHz</td> </tr> <tr> <td>60.000 – 120.000 pC</td> <td>0 – 15 kHz</td> </tr> <tr> <td>120.000 – 250.000 pC</td> <td>0 – 7 kHz</td> </tr> <tr> <td>&gt; 250.000 pC</td> <td>0 – 3 kHz</td> </tr> </table>	50 – 60.000 pC	0 – 30 kHz	60.000 – 120.000 pC	0 – 15 kHz	120.000 – 250.000 pC	0 – 7 kHz	> 250.000 pC	0 – 3 kHz		
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Measuring accuracy	< ±5 %										
LED display	<table border="0"> <tr> <td>IP not configured</td> <td>flashing green-blue</td> </tr> <tr> <td>Connection via Ethernet</td> <td>shining blue</td> </tr> <tr> <td>Measuring</td> <td>shining green</td> </tr> <tr> <td>Reset</td> <td>shining red</td> </tr> <tr> <td>Overload</td> <td>flashing red-blue</td> </tr> </table>	IP not configured	flashing green-blue	Connection via Ethernet	shining blue	Measuring	shining green	Reset	shining red	Overload	flashing red-blue
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Connections	<table border="0"> <tr> <td>System in-/output</td> <td>M12 connector, 8 pins</td> </tr> <tr> <td>Ethernet input</td> <td>M12 socket, 4 pins, protecting cap</td> </tr> <tr> <td>Digital in-/output</td> <td>M 12 connector, 5 pins, protecting cap</td> </tr> <tr> <td>Sensor input</td> <td>SMA socket</td> </tr> </table>	System in-/output	M12 connector, 8 pins	Ethernet input	M12 socket, 4 pins, protecting cap	Digital in-/output	M 12 connector, 5 pins, protecting cap	Sensor input	SMA socket
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Sensor input	SMA socket								
Conformity	CE								

### CMD-600 PIN assignment (Pin-side)



PIN	Cable CMD	Signal	
1	white	Voltage supply GND	
3	green	→ 0 V	Amplifier active
		→ 24 V	Reset aktiv
5	gray	Signal output ±10 V	
6	pink	Signal output GND	
8	red	Voltage supply +24 V	
2,4,7	brown, yellow, blue	n.c.	

Accessories	
Connecting cable Code O6739797059	Cable CMD, 20M also refer to relevant data sheet

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

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