

GEFRAN

COPS-1 (Communication Over Power Supply) (Electrical stroke calibrator for ONPP-A)



Main features

- Zero and Full Scale signal calibrator for ONPP-A transducers
- Calibration performed via SW/PC and a multimeter
- RS232 serial communication interface

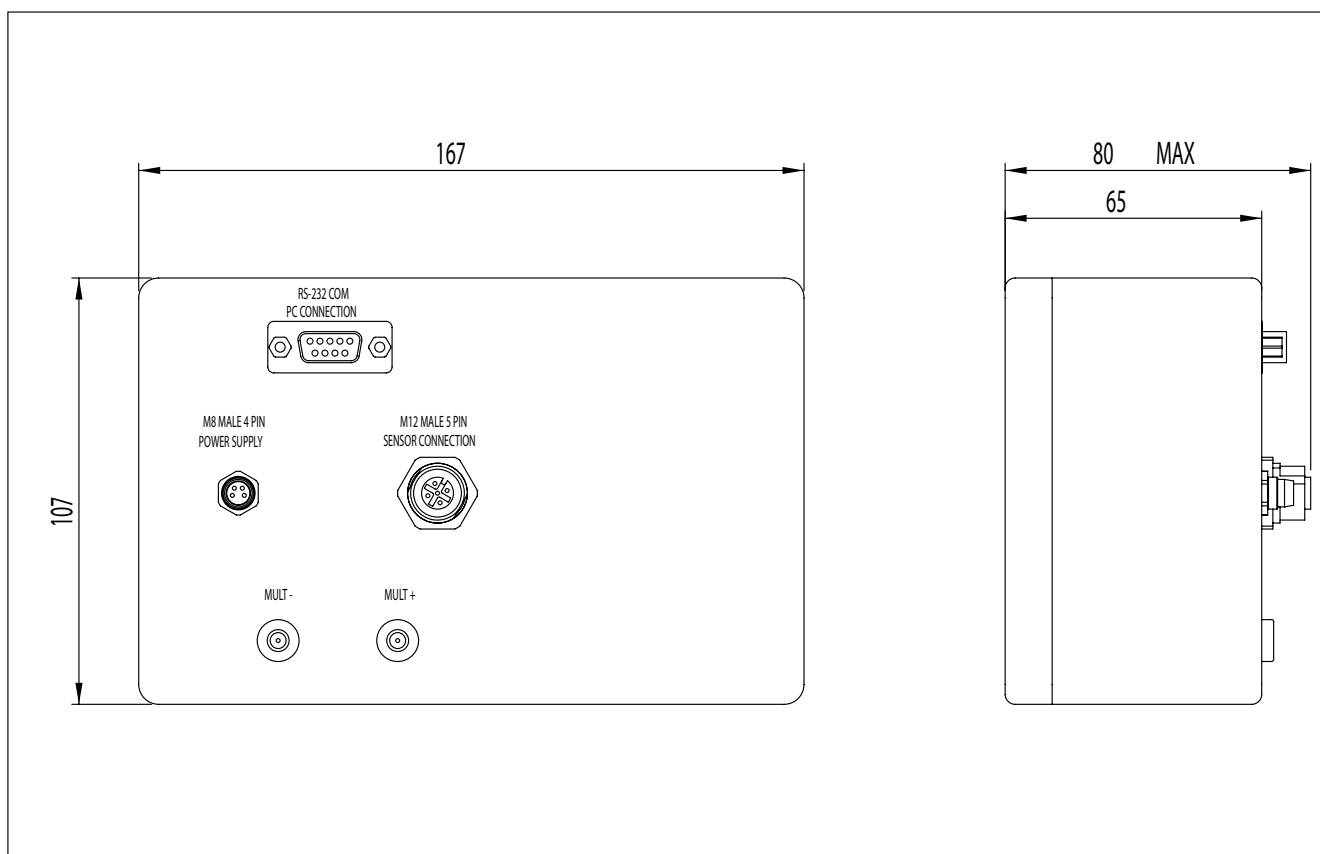
The COPS-1 calibrator calibrates to the required value the Zero and Full Scale signal of the ONPP-A transducer installed on the cylinder.

The output signal is calibrated with mV resolution precisely at the two ends of the piston stroke.

TECHNICAL DATA

Measurement	Displacement
Resolution	INFINITE (limited by output noise)
Power supply	24VDC \pm 20%
Max power supply ripple	1Vpp
Current absorption	350mA
Polarity inversion protection	YES
Overvoltage protection	YES
Internal fuse	500mA NOT self-resetting

MECHANICAL DIMENSIONS



ELECTRICAL CONNECTIONS

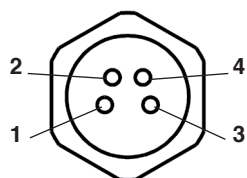
PIN	FUNCTION
1	POWER SUPPLY IN +
2	NC
3	POWER SUPPLY IN -
4	NC

PIN	FUNCTION
1	TRANSDUCER OUTPUT +
2	TRANSDUCER OUTPUT -
3	NC
4	POWER SUPPLY OUT+
5	POWER SUPPLY OUT-

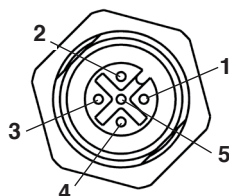
PIN	FUNCTION
1	RI
2	TXD
3	RXD
4	DTE
5	GROUND
6	DCE
7	CTS
8	RTS
9	DCD

PIN	FUNCTION
MULT +	TRANSDUCER OUTPUT + (*)
MULT -	TRANSDUCER OUTPUT - (*)

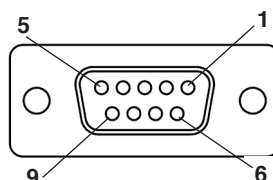
(*)
Voltage output = 0.5...9.5V
Current output = 2,4...9,6V



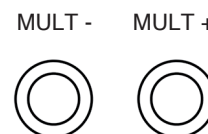
POWER SUPPLY



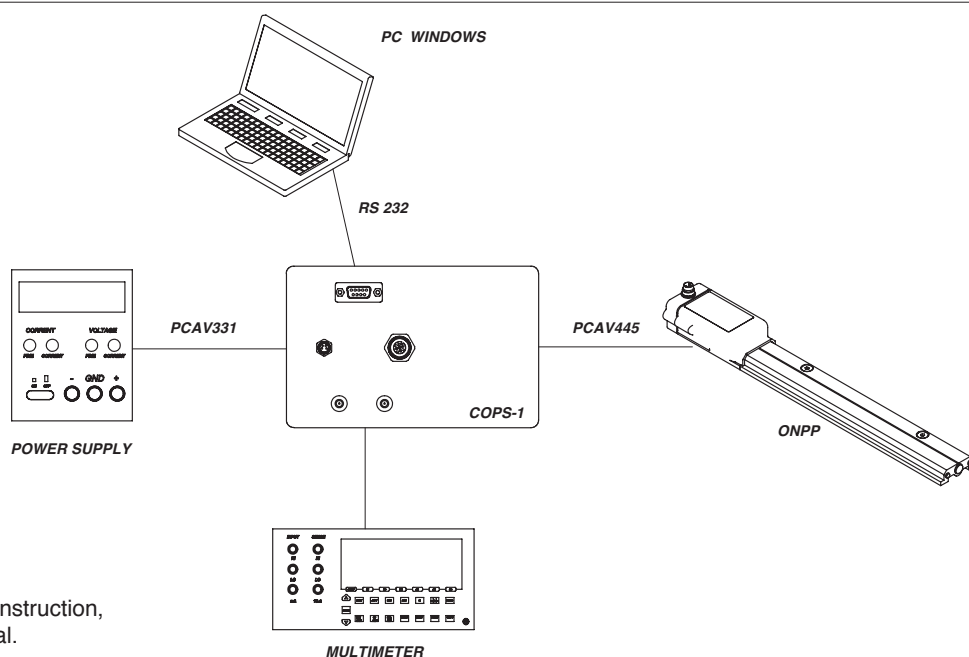
TO ONPP



RS-232 COM



INSTALLATION AND USE



See the COPS-1 calibrator Instruction, Installation, and User Manual.

ORDER CODE

COPS- calibrator

X

Model

ONPP-A

1

- The order code include the CD with calibration SW.
- Calibration SW updates are available on www.gefran.com

CABLES (on request)

1 meter cable, M8 4 P FEM. / M12 5 P male PUR shielded (COPS-1 and ONPP connection)

PCAV445

2 meter cable, M8 4 P FEM. PUR shielded (COPS-1 power supply)

PCAV331

GEFRAN spa reserves the right to make aesthetic and functional changes at any time and without notice.

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