

CONTACTLESS MAGNETOSTRICTIVE LINEAR POSITION SENSORS



 **HYPERWAVE**
HIGH-PERFORMANCE MAGNETOSTRICTIVE TECHNOLOGY

FLEXIBILITY

PRODUCTIVITY

CONNECTIVITY

EFFICIENCY

GEFRAN

BEYOND TECHNOLOGY

CONTACTLESS MAGNETOSTRICTIVE LINEAR POSITION SENSORS



EtherCAT®

WPA-E

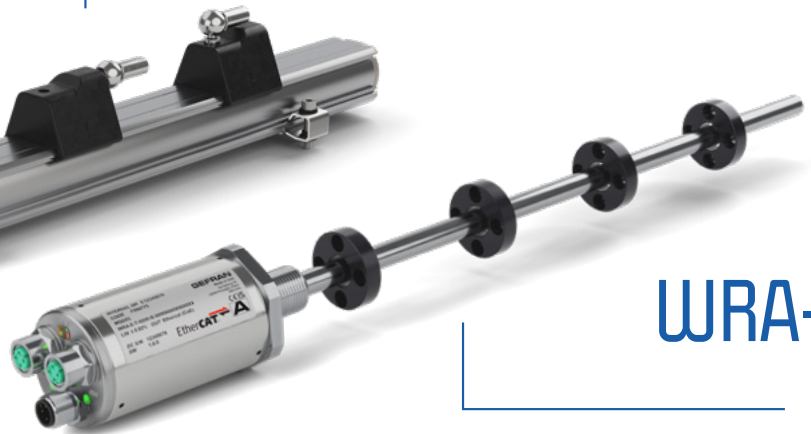
POSITION & SPEED



3 STATUS LED
1 DIAGNOSTIC LED

WRA-E

UP TO 16 CURSORS POSITIONS



INDIVIDUAL CURSOR
OFFSET SETTING



REAL & MAX
TEMPERATURE



WORKING TIME



POWER SUPPLY
MONITOR



CONTROL OF
ACTIVE CURSORS

WPA-E & WRA-E SERIES

STROKES RANGE: 50-4000MM

LINEARITY: $\leq \pm 0,01\%$ F.S.

CANOpen OVER ETHERCAT (COE) PROTOCOL



RESOLUTION

Typ $\leq 1 \mu\text{m}$



SIGNAL AMPLIFICATION

High mechanical amplification via primary element (vs. previous series)



MINIMUM SAMPLING TIME

500 μs



COMPATIBILITY

Magnetically with others transducers



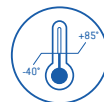
SHOCK

100g -11 MS - Single shock
DIN IEC68T2-27



VIBRATIONS

15g/10...2000HZ
DIN IEC68T2-6



TEMPERATURE RANGE

-40°/+85°C