

PORTABLE ELECTRONIC HANDWHEEL

VEP

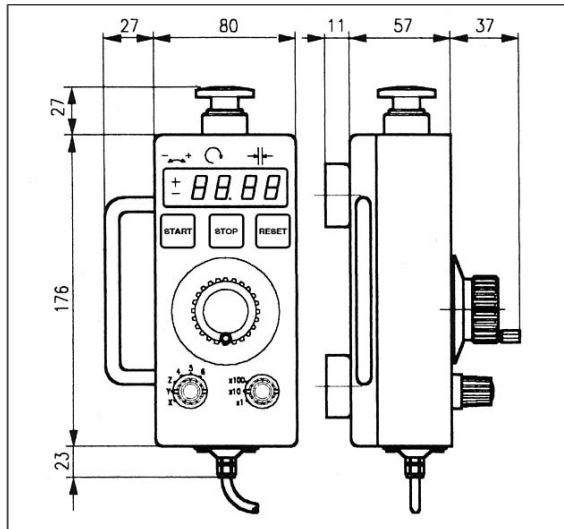
PORTABLE HANDWHEEL WITH INSIDE ELECTRONIC COUNTER, MADE TO BE CONNECTED TO THE CNC THROUGH A SPIRAL CABLE.

EXTREMELY STURDY EXECUTION WITH METAL HOUSING; UPON REQUEST IT CAN BE SUPPLIED WITH MAGNETIC COUPLER AND LATERAL DEAD-MAN-CONTROL.

Portable electr. handwheel
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data sheet IP 001 E00

Sized draw standard version: VD4
Measures without tolerance according to UNI ISO 2768-mk



VEP is a portable handwheel with inside electronic counter, made to be connected to the CNC through a spiral cable. The knob steps (100 PPR) have a detent at each division and are visualized on a display set on the handwheel itself. The display can be set to zero in any position through a reset push button. Two electronic switches allow to select the CNC resolution and the axis. In case of danger it is possible to stop the machine tool through a mushroom-head push button. Upon request VEP is available with lateral dead-man-control. A handle (available upon request on right or left side) allows a steady hold of the handwheel. Good resistance to external agents. Upon request VEP is available with a magnetic coupler for a steady fixing to the machine tool. The handwheel can be interfaced with most of the CNC available on the market.

TECHNICAL FEATURES AND POSSIBLE CONFIGURATIONS

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| <ul style="list-style-type: none"> - Housing.....: PAINTED ALUMINIUM - Knob/scale plate...: ANODIZED ALUMINIUM - Weight.....: 1440 g - Display.....: 4 digits (7 segments)+sign - Resolution.....: -99,99 ÷ +99,99 - IP output side.(°)..: see 'CONNECTIONS' of page 2 - IP shaft side.(°)..: 64 - Impact resistance..: 50 G x 11ms - Vibration strenght..: 12 G (10 ÷ 2000 Hz) - Starting torque Nm..: 0,12 | <ul style="list-style-type: none"> - Rotat. life @ 200 RPM: >= 1000000 h - Operating temperature: 0 ÷ 70 °C (*) - Storage temperature..: -30 ÷ 85 °C - Pulses per revolution: 100 - Max consumption mA...: std 200 line driver 250 - Light source.....: LED with >= 100000 h life - Connection.....: spiral cable 3 m long with cable end connector (see ORDERING INFO.). |
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(°) IP according to CEI EN 60529, EN 60529, IEC 529 (*) custom options

ELECTRONICS

CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA	CODE	DESCRIPTION	mA
K	STANDARD NPN	10	N	DRIVER 26LS31	30						
Q	NPN OPEN COLL	10	C	DRIVER 88C30	20						
R	NPN OPEN COLL	70									
P	PNP	70									
U	PNP OPEN COLL	70									
B	PUSH-PULL PRO	70									
H	PUSH-PULL	70									

Tolerance between phases ± 25°, symmetry ± 15°

(§) Clock-wise output rotation (see shaft).



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