

PRESSURE TRANSDUCER AND READER



The HFP-LG system is a convenient way of monitoring the precharge pressure in accumulators.

RFID technology is used to transfer the data from the pressure transducer (HFP-PT) to the reader (HFP-LG). This enables non-contact measurement of the precharge pressure.

APPLICATION

The pressure transducer can be installed permanently or temporarily on pressure accumulators. The data are transmitted immediately when the reader approaches the pressure transducer. More than 15,000 of these measurement sets can be stored in the device's internal memory and then transferred to the PC using software (included in the scope of delivery). The software also enables clear management of all hydraulic accumulators without a great deal of effort.

READER

TYPE	HFP-LG
Pressure	in bar and PSI
Temperature	in °C and °F
Display	Graphic, LED backlight
Battery	Lithium-ion (3.7 V DC / 900 mAh)
Operating time	Approx. 6h (approx. 1800 individual measurements)
Ambient temperature	-20°C ... +70°C / -4°F ... +158°F
Sampling rate	Typically 250 ms / max. 400 ms
Interface	Micro USB
EMC	EN 61326-1:2013, EN 300330



PRESSURE TRANSDUCER

TYPE	HFP-PT
Pressure ranges	16 / 60 / 160 / 400 / 600 bar
Parts in contact with media	Suitable for fluid and gaseous media
Housing, cap	Stainless steel 1.4305, polyamide (glass fibre reinforced)
Seal	FPM (Viton®)
Weight	80 g / 18 lbs
Media temperature	-30°C ... +135°C / -22°F ... +275°F
Ambient temperature	-30°C ... +85°C / -22°F ... +185°F
Sampling rate	Typically 250 ms / max. 400 ms
Long-term stability	According to IEC EN 60770-1 max. ± 0.25 % FS* /a
Load change	10
Protection class	Protection class IP69: Dustproof and protected against water during high-pressure/steam jet cleaning

Connection adapters are available as accessories; please contact us.

